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NOVEMBER 16, 1912

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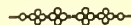
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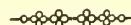
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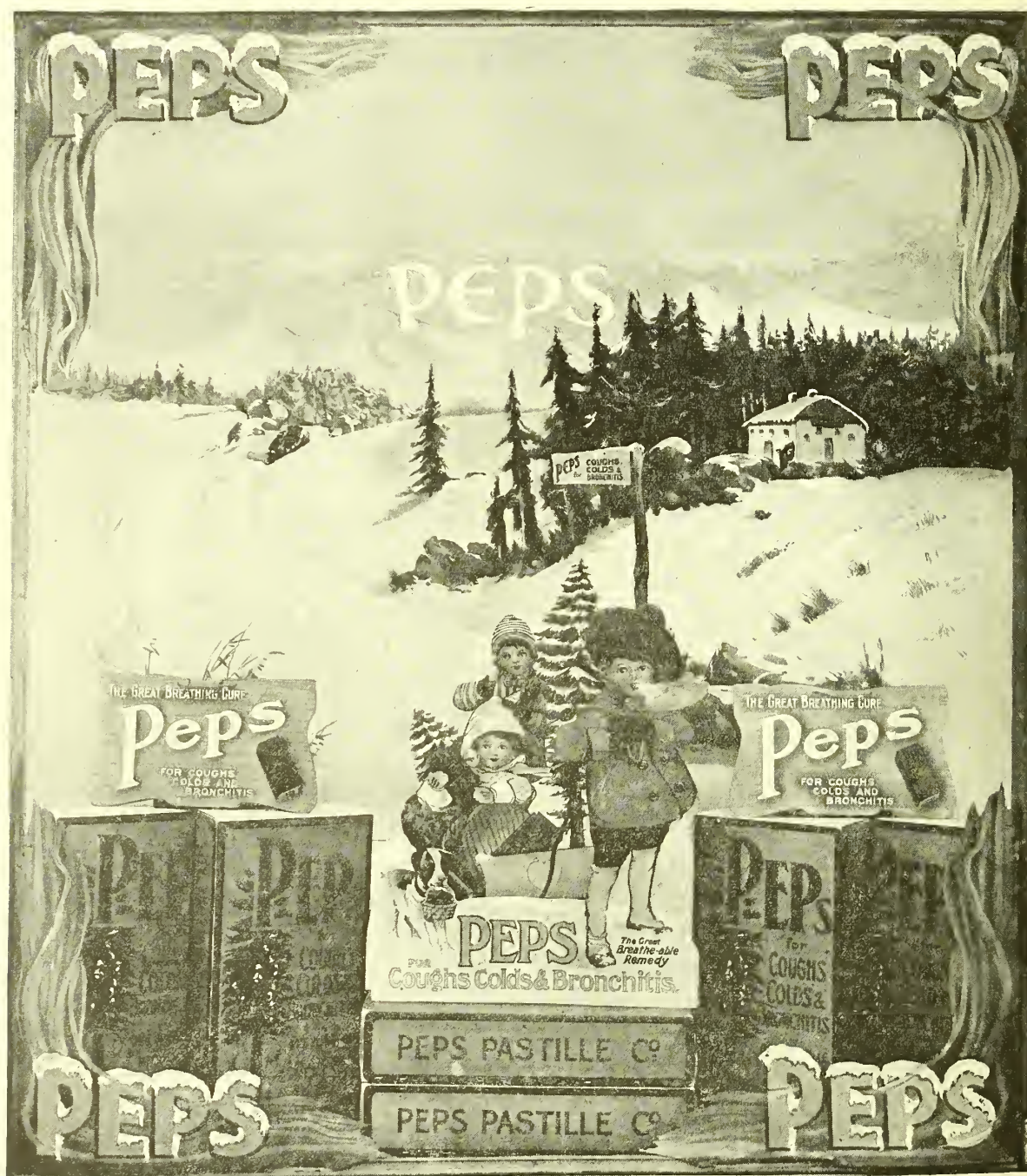
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In this section, under appropriate headings, are given the names of firms advertising in this or other issues of the month. No charge is made to advertisers for the insertion of their names, but only those who have contracts current for advertising in this journal are mentioned. The headings refer generally to the classes of goods actually advertised, but this is not a detailed Guide such as appears in "The Chemists' and Druggists' Diary." Inquiries addressed to the "Information Department," THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., regarding articles not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

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Christy, E. C., & Co.

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Eueryl, Ltd.

Jewsbury & Brown

John Strange Winter

Mason Bros. & Chapman

Maw, S., Son & Sons

Newbery, F., & Sons, Ltd.

Odol Chemical Works

Parke, Davis & Co.

Reidel, J. D., & Co.

Sangers

Standard Tablet & Pill Co., Ltd.

Woolley, J., Sons & Co., Ltd.

DEVELOPERS (PHOTO)

Evans Sons Lescher & Webb, Ltd.
Express Developing Co.
Johnson & Sons (Mfg. Chts.)

DEXTRINE

Fink, F., & Co.

DIABETIC FOODS

Van Abbot, G., & Sons

DISINFECTANTS

Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Ellison, Henry, Ltd.
Pearson's Antiseptic Co., Ltd.
Sanitas Co., Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.

DISINTEGRATORS

Hardy Patent Pick Co., Ltd.

DRUGGISTS' SUNDRIES

Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliuer, Arthur
Burge, Warren & Ridgley, Ltd.
Bush, H. W., & Co., Ltd.
Christy & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb, Ltd.
Hovenden, R., & Sons, Ltd.
Manson, R.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Poths, H. & Co.
Quelch, H. C., & Co.
Reuter, R. J.
Sangers
Schutze, F., & Co., Ltd.
Solport Bros.
Swales, Thomas
Toogood, W., Ltd.
Waitebach, O.
Woolley, J., Sons & Co., Ltd.

DRUGS, CRUDE

Brook, Parker & Co., Ltd.
Gathergood's Exor.
Goodhall, Backhouse & Co.
Parkinson-Worswick, J.
Potter & Clarke, Ltd.
Ransom, W., & Son
Schmitt & Wildenhayn
Sparks, White & Co., Ltd.

DYEWARES

Clemons, Marshall & Carbert

EAU DE COLOGNE

Bronnley, H., & Co., Ltd.
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtnay & Co.
McCracken, J. & R.
Reuter, R. J.
Schutze, F., & Co., Ltd.
Spurway & Cie., Ltd.

EDUCATIONAL INSTITS.

Bath & West of England College
Birmingham & Midland College
College of Preceptors
Elt's College
Glasgow School of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
Northern College of Pharmacy
School of Pharmacy
South of England College
Westminster College

EFFERVESCENT PREPS.

Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Bristol-Myers Co.
Cupal, Ltd.
Wright, Layman & Umney, Ltd.
Wyleys, Ltd.

ELASTIC CORDS

MacLennan, John, & Co.

ELASTIC HOSIERY

Ayrton, Saunders & Co., Ltd.
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Surgical Hosiery Co., Ltd.
Wood, Vincent

ELECTRIC LAMPS

Millard Bros., Ltd.

ELECTRICAL NOVELTIES

Evans Sons Lescher & Webb, Ltd.
General Electric Co., Ltd.
Millard Bros., Ltd.
Ward & Goldstone
Wright, Archibald J., Ltd.

EMERY AND CLOTH

Oakey, J., & Son, Ltd.

EMETINE SALTS

Whiffen & Sons, Ltd.

EMULSIFIERS

Bennett, Sons & Shears, Ltd.
Wilkinson, S. W., & Co.

EMULSIONS, C. L. O., &c.

Angier Chemical Co., Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Boulton Macro, Ltd.
Burgoyne, Burdidge & Co.
Cupal, Ltd.
Lorimer Marshall, Ltd.
Scott & Bowne, Ltd.
Stevenson, H. E., & Co.

ENEMAS

Burge, Warren & Ridgley, Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Warne W., & Co., Ltd.

EPSOM SALTS

Howards & Sons, Ltd.

ESSENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
Barnett & Foster
Boake Roberts & Co. Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Newball & Mason
Stevenson & Howell, Ltd.

ESSENCES, CONCRETE

Spurway & Cie., Ltd.

ETHERS

Boise Bros. & Stevenson Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL

British Drug Houses, Ltd. The

EYE BATHS

Sangers

EXTRACT OF HERBS

Newball & Mason
Potter & Clarke, Ltd.

EXTRACTS (MEDICINAL)

Allen, Stafford & Sons, Ltd.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb, Ltd.
Gathergood, Exors.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W., & Son

FACTORY, & C., SITES

Great Western Railway
North-Eastern Railway

FILTER PAPER

Burgoyne, Burdidge & Co.

FILTERS

Berkefeld Filter Co., Ltd.

FLY CATCHERS

Alabastine Co. (British), Ltd.
Barraclough, J., & Co.
Kay Bros., Ltd.
Smith, Jno. H., & Co.
Strong, Christy
Tunbridge & Wright

FOODS, INVALID, ETC.

Allen & Hanbury, Ltd.
Aplin & Barrett, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Burgoyne, Burdidge & Co.
Cox, Arthur H., & Co., Ltd.
Deans, Logan & Co., Ltd.
Fairchild Bros. & Foster
Horlick's Malted Milk Co.
King, George, & Son
"Lemco and Oxo"
Lofthouse & Saltmer, Ltd.
Menley & James, Ltd.
Natural Food Co., Ltd.
Pearson, E. T., & Co.
Sister Laurus Infant Food Co.
Willows, Francis B. & T.
Woolley, Jas., Sons & Co., Ltd.

FU LER'S EARTH

Mumford, G. S., & Sons

FUMIGATORS

Sanitas Co., Ltd.

GLYCERIN

Price's Patent Candle Co., Ltd.

GLYCEROPHOSPHATES

Merck, E.
Pointet & Girard

GREASE REMOVER

Perkin & Co., Ltd.

GRINDERS, DRUG, & C.

Allen, Stafford & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T.
Wright, Layman & Umney, Ltd.

GRINDERS (MACHINE)

Hardy Patent Pick Co., Ltd.

GUMS

Fink, F., & Co.
Kidston, W. M., & Co.

HAIR DYES

Harker, Stagg & Morgan, Ltd.

HAND-CARTS, TRUCKS, & C.

Crewe & Co.

HAIR PREPARATIONS

Alexandre, L.
Blackie, Robert
Cabellens, "Harlene" Co.
Edwards, G. W.
Harrison, G. W.
John Strange Winter
Nyto Preps., Ltd.
Osborne, Garrett & Co.
Robare's Aureoline
Saunders, J. Tozeau, Ltd.
Van Essen, James, & Co., Ltd.
Warner Oliver, Ltd.

HAT CLEANERS

Christy, Thos., & Co.
Senior Alt., & Co.

HAT DYES

Whitaker & Co.

HEARING APPARATUS

Stolz Electrophone Co., Ltd.

HEATING APPARATUS

Clark's Syphon Stove Co., Ltd.

HERBS

Brook, Parker & Co., Ltd.
Potter & Clarke, Ltd.
Ransom, W., & Son

HOMOEOPATHIC MEDICINES

Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.

HOT-WATER BOTTLES

Bailey, W. H., & Son
Burge, Warren & Ridgley, Ltd.
Dunlop Rubber Co., Ltd.
Fulham Pottery and Cheavin
Filter Co., Ltd.
Galen Manfg. Co., Ltd.
North British Rubber Co., Ltd.
Schutze, F., & Co., Ltd.
Tompkins, J., Ltd.
Toogood, William, Ltd.
Wood Vincent
X. L. Rubber Co.

HOTELS

Kingsley Hotel
Thackeray Hotel

HYDROGEN PEROXIDE

May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

HYPNOTICS

Knoll & Co.

HYPHOPHOSPHITES

May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

ICHTHYOL

Ichthyol Gesellschaft

INHALERS

Ozo Medicated Air Co., Ltd.

INSECTICIDES

Christy, T., & Co.
Nyto Preparations Ltd.
Tomlinson & Hayward, Ltd.

INSECT POWDER

Danyez Virus, Ltd.
Keating, Thomas

INSTEP SUPPORTS

Pond, H. J.
Scholl Manfg. Co.

JUJUBES

Guest, Thos., & Co.
Potter & Clarke, Ltd.

LANOLINE

Burroughs Wellcome & Co.

LARD

Ewen, J., & Sons

LAVENDER WATER.

Bush, W. J., & Co., Ltd.
Rivers, Hill & Co., Ltd.

LEATHER BLACK

Whitaker & Co.

LECITHIN

Chem. Works "Victoria"
Williams G. M., & Co.

LETTER FILES

Eeles, Walker & Co.

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Idris & Co., Ltd.

LINSEED, CRUSHED, & C.

Mumford, G. S., & Sons

LINTS

Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.
Taylor, W. G.
Vernon & Co., Ltd.

LIQUORICE JUICE

Apollo
Evans Sons Lescher & Webb, Ltd.
Jackson, E. E.
Mumford, G. S., & Sons
Solazzi

LITHIA SALTS

British Drug Houses, Ltd., The
Macfarlan, J. F., & Co.
May & Baker, Ltd.

LOOFAMS

Internl. Sponge Importers, Ltd.
Solport Bros.
Swales, Thomas

LOZENGES

Ayrton, Saunders & Co., Ltd.
Denoual, Jules & Co.
Guest, Thos., & Co.
Jackson, E. E.
Potter & Clarke, Ltd.
Raines & Co.
Standard Tablet & Pill Co., Ltd.
Warrick Bros., Ltd.

MACHINERY, PHARMACAL

Allen & Hanbury, Ltd.
Bennett, Sons & Shears, Ltd.
Comet Chemical Co., Ltd.
Gardner, Wm., & Sons, Ltd.
Hardy Patent Pick Co., Ltd.
Lister, R. A., & Co., Ltd.
Pindar J. W., & Co.
Stokes, F. J., Machine Co.
Wilkinson, S. W., & Co.

MAGNESIA AND ITS PREPS.

British Drug Houses, Ltd., The
Corbyn, Stacey & Co., Ltd.
Henry, T. & W.
Howards & Sons Ltd.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ltd.

MALT EXTRACT & PREPS.

Boulton Macro, Ltd.
British Diamalt Co., Ltd.
British Drug Houses, Ltd., The
Burroughs Wellcome & Co.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ltd.
Pains & Co., Ltd.

MANICURE CASES

Hovenden, R., & Sons, Ltd.
Schutze, F., & Co., Ltd.

MARKING INK

John Bond ("Crystal Palace")

MEASURES, GRADUATED

Bush, Henry W., & Co., Ltd.

MEAT EXTRACTS

Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
"Lemco and Oxo"
Tooth's Extract of Meat Co.

MERCURIALS

Alliance Drug & Chem. Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

METAL GOODS

Bette & Co., Ltd.
Eley Bros., Ltd.

METHYLATED SPIRIT

Burrough, J., Ltd.
Maenair, A., & Co.
Preston's Liverpool Distillery
Randall & Son, Ltd.

MICROSCOPES

Raphael's, Ltd.

MINERAL WATERS, SALTS

Apollinaris Co., Ltd.
Hughes, E., Griffiths
Ingram & Royle, Ltd.
Vichy (State Springs)
Vittel

MIXERS AND SIFTERS

Comet Chemical Co., Ltd.
Gardner, Wm., & Sons (Gloucester), Ltd.

MUSTARD PLASTER

Rueff, Julius

NIGHT-LIGHTS

Prescott & Co.

ointments

Blackie, Robert
Burgess, E.
Calvert, F. C., & Co.
Cartwright, v. B., Ltd.
Cox, Arthur H., & Co.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol), Ltd.
Smith, Maurice
Zimmermann, Chas., & Co.

OILS, ESSENTIAL

Allen, Stafford & Sons Ltd.
Alliance Drug & Chemical Co.
Boake, A., Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Evans Sons Lescher & Webb, Ltd.
London Essence Co.
Poppelreuter, W.
Ransom, W., & Son
Schimmel & Co.
Spurway & Cie., Ltd.
Stevenson & Howell, Ltd.
Varaldi, F.
Wright, Layman & Umney, Ltd.
Zimmermann, Chas., & Co.

OILS, MINERAL, FATTY

Allen, Stafford & Sons, Ltd.
Price's Patent Candle Co.
Schliemann's Oil & Ceresine Co.
Stern Sonneborn Oil Co., Ltd.

OLIVE OIL

Goodall, Backhouse & Co.
Sparks, White & Co., Ltd.
Varaldi, F.

OPTICAL GOODS

Anglo-American Optical Co.
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Opt. Co., Ltd.
Raphael's, Ltd.

OPTICAL TUITION

British Optical Institute, Ltd.
Dioptric Association
Spectacle Makers' Company.

ORANGE QUININE WINK

Hobson, Joseph, & Son
Melrose-Drover Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

ORGANOTHERAPY**PRODUCTS**

British Organotherapy Co., Ltd.

OTTO OF ROSE

Spurway & Cie., Ltd.

OTTO OF ROSE (SYNTH.)

Bush, W. J., & Co., Ltd.
Kerfoot, Thos., & Co.
Warrick Bros. Ltd.
Wright, Layman & Umney, Ltd.

PACKED GOODS

Allen & Hanbury, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Boulton Macro, Ltd.
Brook, Parker & Co., Ltd.
Cartwright, W. B., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy Thos., & Co.
Cupal, Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Lofthouse & Saltmer
Lorimer Marshall, Ltd.
May, Roberts & Co., Ltd.
Newball & Mason
Oldfield, Pattinson & Co.
Potter & Clarke, Ltd.
Sangers
Standard Tablet & Pill Co., Ltd.
Van Essen, James, & Co., Ltd.

PALATINOLIDS

Oppenheimer, Son & Co., Ltd.

PAPER HANDKERCHIEFS

Powell, J. T., & Co.

PARAFFINUM LIQUIDAM

Schliemann Oil & Ceresine Co., Ltd.

PASTILLES

Allen & Hanbury's, Ltd.
Asche, C. F., & Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb, Ltd.
Kerfoot, Thomas, & Co.
Taverner & Sons, Ltd.
Valda Pastilles
Warrick Bros., Ltd.

PATENT AGENTS

Barker, R. W.
Newham, Browne & Co.

PERFUME MATERIALS

Boehringer, C. F., & Soehne
Bush, W. J., & Co., Ltd.
Kerfoot, T., & Co.
Naof M., & Co., Sucers.
Schimmel & Co.
Schwarz, A. W.
Varaldi, F.
Wright, Layman & Umney, Ltd.
Zimmermann, Chas., & Co.

PEPPERMINT OIL

Bing, M. & A. C.
Bnsh, W. J., & Co., Ltd.
Dodge & Olcott Co.

PERFUMES

Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Barnetts Perfumery, Ltd.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy T., & Co.
Evans Sons Lescher & Webb Ltd
Gambles, J. C., & Co.
John Strange Winter
Kerfoot, T., & Co.
Lescol Perfumery Co.
Lever Bros., Ltd.
McCracken, J. & R.
Pritchard & Constance, Ltd.
Queloh, H. C., & Co.
Rivers, Hill & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Spurway & Cie., Ltd.
Vinolia Co., Ltd.
Warwick Bros., Ltd.
West, T., & Son
Wolf, F., & Sohn

PESSARIES (SOLUBLE)

Burge, Warren & Ridgley, Ltd.
Rendell, W. J.

PETROLEUM EMULSION

Angier Chemical Co., Ltd.

PETROLEUM JELLY

Chesebrough Manfg. Co.
Gardner & Andrew
Schliemann's Oil & Ceresine Co.
Stern, Sonneborn Oil Co., Ltd.

PHOSPHORUS AND PREPS.

May & Baker, Ltd.

PHOTO. CHEMICALS

Boehringer, C. F., & Soehne
Johnson & Sons (Mfg.Chts.), Ltd

PHOTO. GOODS

Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb, Ltd
Express Developing Co.
Ilford Ltd.
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Rajar, Ltd.

PHOTO. POSTCARDS, ETC.

Rajar, Ltd.

PILL MAKERS

Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Howard Lloyd & Co., Ltd.
Standard Tablet & Pill Co., Ltd.

PLASTERS

Alcock Manfg. Co.
Berliner, Arthur
Dalmas, A. de St., & Co.
Galen Mfg. Co., Ltd.
Leslies, Ltd.

PLATE POWDER

Lees, A., & Co.

PLEATED PAPER

Darter, Wilkinson & Co.
Smith Bros. & Co.

POLISHE (VARIOUS)

Bradley & Bourdas
Oakley, J., & Sons, Ltd.

POSTAL BOXES

Eeles, Walker & Co.
Robinson & Sons, Ltd.

POWDER PAPER

Pharm. Ind. Ges. Offenbach
Pritchard & Constance, Ltd.

PRESS CUTTINGS

Central News

PRINTERS

Clyde Presse
Ford, Shapland & Co.
Harrison & Waide
Suntley & Silverlock, Ltd.
Townsend, J., & Sons

PRINTING PRESS

Excelsior Printers' Supply Co.
Paragon Press Co.

PROPRIETARY ARTICLES

Angier Chemical Co., Ltd.
Anglo-American Pharm. Co.
Anglo-Indian Drug & Chem. Co.

PROPRIETARY ART.—cont.

Appli & Barrett, Ltd.
Arnfield, J. C., & Sons, Ltd.
Ashton & Parsons, Ltd.
Barclay & Sons, Ltd.
Beecham, T.
Bow's Liniment, Ltd.
British Drug Houses, Ltd., The
Burgess, E.
Carnrick, G. W., Co.
Chameleon Oil Co., Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Crimson Cross Dispensary
Cupal, Ltd.
Cyona Co., Ltd.
Daisy, Ltd.
Davenport, J. T., Ltd.
Demuth, R.
Dunoon, Flockhart & Co.
Ecosolent Compounds, Ltd.
Edwards, W., & Son
Evans Sons Lescher & Webb, Ltd
Faulding, F. H., & Co.
Fellows' Med. Manfg. Co.
Fennings, Alfred
Ferris & Co., Ltd.
Fox & Co. (Liverpool), Ltd.
Freeman's Chlorodyne, Ltd.
Fulford, C. E., Ltd.
Gambles, J. C., & Co.
Goodall, Backhouse & Co.
Harrison, Geo. W.
Henry, T. & W.
Hommel's (Dr.) Hæmatogen
Hughes, E. Griffiths
Ichthyol Gesellschaft
International Laboratories
Kay Bros., Ltd.
King, George, & Son
Kutnow, S., & C., Ltd.
"Lemco and Oxo"
MacKenzie Medicine Co.
Martindale, W.
May, Roberts & Co., Ltd.
Mergentheim Tablets
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Oppenheimer, Son & Co., Ltd.
Owbridge, W. T., Ltd.
Phillips, Chas. H., Chem. Co.
Phistol, Ltd.
Pinex Co., Ltd.
Ponitogen Co.
Primer, J.
Resinol Chemical Co.
Richter, C., & Co.
Riedel, J. D. Co.
Rubinstein, Madame H.
Rubwel Co.
Sangers
Sargol, Ltd.
Sohimmel & Co.
Scott & Bowne, Ltd.
Squire & Sons
Standard Tablet & Pill Co., Ltd
Thermogene Co., Ltd.
Thompson & Capper
Tunbridge & Wright
Urilac Manfg. Co.
Valda Pastilles
Wait-and-See Proprietary
Warwick Brothers, Ltd.
White, A. J., Ltd.
Wilcox, Jozeau, & Co.
Woodward, W., Ltd.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co

PUFFS

Solport Bros.

PUMPS

Berkefeld Filter Co., Ltd.

QUININE AND SALTS

Alliance Drug & Chem. Co.
Boehringer, C. F., & Soehne
Buehler & Co.
Corbyn, Stacey & Co., Ltd.
Howards & Sons, Ltd.
Pointet & Girard

RADIO-ACTIVE MINERALS

Harrington Bros., Ltd.

RAZOR STROPPER

Barclay & Sons, Ltd.

RENNET

Fullwood & Bland
Oldfield, Pattinson & Co.

RESINS AND RESINOIDS

Allen, S., & Sons, Ltd
Macfarlan, J. F., & Co.
Ransom, W., & Son
Smith T. & H., Ltd.

RESPIRATORS

Zimmer & Co.

RIBBONS, CORDS, &c.

MacLennan, John, & Co.

RUBBER GOODS

Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Surgical Hosiery Co., Ltd.
Tompkins, James, Ltd.
Warne, W., & Co., Ltd.
X. L. Rubber Co.

RUBBER STAMPS

Richford, C. D.

SACCHARIN

Saccharin Corporation, Ltd.

SAMPLE CASES

Keane, Thomas

SANTONIN

Smith, B. A., & Co.

SAPONIN

Field, C. W.

SCIENTIFIC APPARATUS

Reynolds & Branson, Ltd.
Perken, Son & Co., Ltd.

SEA SALT

Tidman & Son, Ltd.

SEED-DRESSING

Hawker, Arthur E.
Tomlinson & Hayward, Ltd.

SERUMS AND ANTITOXINS

Allen & Hanburys, Ltd.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb, Ltd
Parke, Davis & Co.
Sohimmel & Co.
Wilcox, Jozeau & Co.

SHAMPOO POWDERS

Standard Tablet & Pill Co., Ltd.

SHARES

McAdam & Tuckniss

SHEEP DIPS

Burt, Boulton & Haywood

SHEEP MEDICINES

Pettifer, Stephen, & Sons

SHELLAC

Kershaw, H. E., Ltd.

SHOP FITTING

Ayrton-Graham, Ltd.
Cook, George
Evans Sons Lescher & Webb, Ltd
Grant, D.
Josephs, Philip, & Sons, Ltd.
Maw, S., Son & Sons
Parnall & Sons, Ltd.
Rudduck & Co.
Sangers

SHOW STANDS

London and Colonial Manfg. Co.

SOAPS, TOILET, &c.

Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Bell, John Hills & Lucas, Ltd.
Bronnley, H., & Co., Ltd.
Calvert, F. C., & Co.
Chesebrough Manfg. Co.
Christy Thos., & Co.
Cook, E., & Co., Ltd
Eueryl, Ltd.
Evans Sons Lescher & Webb, Ltd
Fnlford, C. E., Ltd.
Gibbs, D. & W., Ltd.
Harrison, G. W.
Hovenden, R., & Sons, Ltd.
John Strange Winter
Lescol Perfumery Co.
Lever Bros., Ltd.
Olival Anglo-Spanish Soap Co.
Pears, A. & F., Ltd
Peat Products (Sphagnol), Ltd.
Price's Patent Candle Co.
Resinol Chemical Co.
Wolf, F., & Sohn
Wright, Layman & Umney, Ltd.

SHOULDER STRAPS

Wood, Vincent

SODA FOUNTAINS

Flugel & Co.

SODIUM BICARBONATE

Brunner, Mond & Co., Ltd.
Electrolytic Alkali Co., Ltd.
Howards & Sons, Ltd.
Mumford, G. S., & Sons

SOOTHERS

Newbery, F., & Sons, Ltd.
Schutze, F., & Co. Ltd.
Wolf, Lewis

SPECTACLES

Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Opt. Co., Ltd
Raphael's, Ltd.

SPICES

Goodall, Backhouse & Co.

SPIRIT OF WINE

Burrough, J., Ltd.
Preston's Liverpool Distillery
Co., Ltd.

SPONGES

Internal. Sponge Importers, Ltd.

SPRAYS

Burge, Warren & Ridgley, Ltd.
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers
Toogood, Wm., Ltd.

SPRINKLER CORKS

Betts & Co., Ltd.

SPRUCE BEER

Hobson, Joseph, & Son

STARCH

Mumford, G. S., & Sons

STILLS

Bennett, Sons & Shears, Ltd.
Brown & Son (Automatic)
Stokes, F. J., Machine Co.

STOPPERS

Stipendum Stopper Co.

SUPPOSITORIES

Peat Products (Sphagnol), Ltd.

SURGICAL APPLIANCES AND DRESSINGS

Allen & Hanburys, Ltd.
Bailey, W. H., & Son, Ltd.
Berliner, Arthur
Burroughs Wellcome & Co.
Bush, H. W., & Co., Ltd.
Dalmas, A. de St., & Co.
Davis, John Morgan, & Sons
Galen Manfg. Co. Ltd.
Gimber, W., & Son
Haynes, G., & Co.
Haywood, J. H., Ltd.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Martindale, W.
Mason Bros. & Chapman
Maw, S., Son & Sons
Queleh, H. C., & Co.
Reynolds & Branson, Ltd.
Robinson & Sons, Ltd.
Surgical Hosiery Co., Ltd.
Taylor, W. G.
Warne, W., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

SYPHONS

Barnett & Foster
Camwal, Ltd.
Idris & Co., Ltd.
Sharman's Pat. Syphon Co., Ltd

SYRINGES

Bush, H. W., & Co., Ltd.

SYRUPS, MEDICINAL

Fellows' Med. Mfg. Co

TABLE WATERS

Burrow, W. & J.

TABLET MACHINERY

Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Thompson & Capper
Wilkinson, S. W., & Co.

TABLETS, COMPRESSED

Allen & Hanburys, Ltd.
Bishop, Alfred Ltd.
British Drug Houses, Ltd., The
Cartwright, W. B., Ltd.
Cox A. H., & Co., Ltd.
Davies, Sons & Co.
Duncan, Flockhart & Co
Evans Sons Lescher & Webb, Ltd.
Howards & Sons, Ltd.
Howard Lloyd & Co., Ltd.
Johnson & Sons (Mfg. Chts.)
Martindale, W.
Parke, Davis & Co.
Standard Tablet & Pill Co., Ltd.
Thompson & Capper
Wand Manfg. Co.
Wigglesworth & Co.

"TABLOID" PRODUCTS

Burroughs Wellcome & Co.

TARTARIC ACID

British Drug Houses, Ltd., The
Boehringer, C. H., Sohn

TEA (TANNIN-LESS)

Sumner's Typhoo Tea, Ltd.

TEATS (I.R.)

Ingram, J. G., & Son

TIN BOX MAKERS

Goodall, Backhouse & Co.
Huntley, Boorne & Stevens
Liverpool Tin Canister Co., Ltd.
Shirley Bros., Ltd.

TINCTURE PRESS

Lister, R. A., & Co., Ltd.

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Singleton & Cole, Ltd.

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Armour & Co., Ltd.
Ayrton, Saunders & Co., Ltd.

TOILET ARTICLES—cont.

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Blackie, Robert
Bronnley, H., & Co., Ltd.
Burroughs Wellcome & Co.
Chesebrough Mfg. Co.
Christy, T., & Co.
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Cox, Arthur H., & Co. Ltd.
Daisy, Ltd.
Edwards' Harlene Co.
Eueryl, Ltd.
Fulford, C. E., Ltd.
Gambles, J. C., & Co.
Gibbs, D. & W., Ltd.
Harker, Stag & Morgan, Ltd.
Hovenden, R., & Sons, Ltd.
John Strange Winter
Lever Bros. Ltd.
Lloyd A., & Co.
Lloyd, A. S. (Hovenden)
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Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd
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Osborne Garrett & Co.
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Prichard & Constance, Ltd.
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Rubinstein, Madame H.
Sangers
Saunders, J. Tozeau, Ltd.
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Southall Bros. & Barclay, Ltd.
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To-Kalon Mfg. Co., Ltd.
Van Essen, James, & Co., Ltd.
Vinolia Co., Ltd.
Wholesale Chemical Works
Woolley, J., Sons & Co., Ltd.

TOILET PAPER

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Burgoyne, Burdidges & Co.
Ford, Shapland & Co.
Townsend, J., & Sons

TOOTH STOPPING

Stevens, P. A.

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Ford, Shapland & Co.
Newnham, Browne & Co.

TURNED WOOD BOXES

Rogers & Co.

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Bush, Henry W., & Co., Ltd.
Coles, William & Co.
Davis John Morgan, & Sons
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

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Newmark, Louis
Read & Campbell, Ltd.
Stokes, F. J., Machine Co.

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Berdoe & Fish
Brett & Co.
Orridge & Co.
Tomlinson, T., & Son

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Sanitas Co., Ltd.

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VERMIN KILLERS

Battle, Son & Maltby
Danzys Virus, Ltd.
Evans Sons Lescher & Webb, Ltd
Farmer, F., & Co.
Harley, Thomas
Harrison, G. W.

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Maw, S., Son & Sons

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Grimble & Co.

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Christy, Thos., & Co.
Day & Sons (Crewe), Ltd.
Edwards, W., & Son
Harvey & Co. (Dublin), Ltd.
Pettifer, Stephen, & Sons
Senior, Alf., & Co.
Tomlinson & Hayward, Ltd.
Wyleys, Ltd.
Zimmermann, C., & Co.

WATER STILLS

Stokes, F. J., Machine Co.

WATERS, CONCENTRATED

Robinson, B., & Co., Ltd.

WAXES

Kidston, W. M., & Co.

WEED-KILLERS

Burt, Boulton & Haywood
Harrison, G. W.
Tomlinson & Hayward, Ltd.

WEIGHING MACHINES

Maw, S., Son & Sons

WINDOW BRACKETS

Ayrton-Graham, Ltd.

WINDOW TICKETS

Alerten, F., & Co.

WINES

Burrough, J., Ltd.
Smith, S., & Co., Ltd.

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Ayrton, Saunders & Co., Ltd.
Burrough, J., Ltd.
Burroughs Wellcome & Co.
Coleman & Co., Ltd.
Deans, Logan & Co., Ltd.
Fletcher, Fletcher & Co.
Hobson, Joseph, & Son
Idris & Co., Ltd.
Robinson, B., & Co., Ltd.
Smith, S., & Co., Ltd.

WRIST STRAPS

Solport Bros.

ZINC OXIDE

Hubbuck, T., & Son, Ltd.
Stevenson, H. E., & Co.

"Milk of Magnesia"

(REGISTERED TRADE MARK) . .

PHILLIPS'

Is the ORIGINAL and ONLY GENUINE.

GUARANTEED to contain AT LEAST 24 grains of Hydrate Magnesia in each fluid ounce.

IS ENTIRELY FREE from OXIDE or CARBONATE of Magnesia and any suspensory matter whatever.

Special quotations for the 2/3 and 1/- sizes from:
THE Charles H. Phillips Chemical Co.

14 HENRIETTA STREET, COVENT GARDEN, W.C.

Tel. No.: 3239 Central.



The Quick-Selling
Cough Remedy.

Unsold Bottles
Returnable any time.

On P.A.T.A. List.

Guaranteed to
Public and to Chemist.

*TERMS:—Advertised Price 2|9 per bottle. Minimum Retail
Price, 2|6 per bottle. :: :: :: Price to you 24/- per doz.*

The Pinex Company, Ltd.,
36/38 Upper Thames Street, London.
Telegrams: "Pinexine, Cent., London." Telephone: 2208 City.

No. 57.

S. MAW, SON & SONS
7 TO 12, ALDERSGATE ST.
LONDON, E.C.



Maw's

Page.

Telegraphic Address: "ELEVEN LONDON."

Telephone No.: LONDON WALL 3230 (4 lines).

"Disappointment should always be taken as a stimulant, and never viewed as a discouragement."—C. B. NEWCOMB.

Disappointed customers mean disappointed Pharmacists. Customers who are pleased are the finest stimulant to business success—Ensure it by selling only goods of "Maw" quality.

Maw's Page

FRIDAY MORNING, NOV. 15, 1912.

The perfumery illustrated in the next column recalls the interesting news recently received from France anent the latest sensational whim indulged in by ultra-smart Parisians. Instead of using Morphine, Cocaine, or Caffeine, they now employ as a stimulant hypodermic injections of Otto of Roses, Violet, and Cherry Blossom perfumes.

Forty-eight hours after an injection of perfume, an actress, who was the first to introduce the new practice, declared that her skin was still saturated with the aroma.

We do not think this practice will be repeated on this side of the Channel, but the popularity of perfume among women—and men—is undoubtedly on the increase.

M

When, towards the close of last year, we introduced to Pharmacists a new idea in Eye Baths, we were quite unprepared for the instant popularity which they achieved. We refer to the "grooved" white china pattern; and would remind our customers that we now have a good supply ready for delivery; packed in boxes of 1 doz. Price, 1/9 (usual discount). Each Eye Bath is moulded so that a firm grip with finger and thumb is ensured, while the customary "pillar" is abolished. This season of wind and dust is just the time to introduce them.

M

Another line of remarkable value, and one which has never been surpassed, is our "Durbar" Enema. Complete with elastic gum vaginal pipe and leather shield; English made, and guaranteed for 12 months from date of supply to the customer, it is offered at 17/9 doz. (usual discount). The "Durbar" is made in black rubber with enamel finish, and red rubber with velvet finish. Each supplied in box, with or without label as desired.

GIFTS
FOR
XMAS.

Assuredly no simple gift is more appreciated by a woman than a presentation box of perfume. As a yuletide token of friendship it is perhaps the most favoured in the estimation of mere man.

The seasoned customer will discriminate between good and inferior qualities. We offer a selection of perfumes in bottles which for fragrance and appearance we can honestly say we have never surpassed. Display our perfumes and you will satisfy the most fastidious.

A splendid selection of exquisite French Perfumes, in very finely cut bottles, from 16/- to 84/- per doz. Four Star Eau de Cologne; in bottles, 7/- and 11/6 doz. Musk Lavender Water, 7/6 and 13/- doz.

We specially recommend an elaborately hand-made case in floral design, containing two handsome cut bottles with sterling silver neck coverings, and containing some very choice perfumes. Price 17/6 each. "Bouquet de Fleurs," as illustrated, 24/-, 32/-, and 40/- per doz.



24/-, 32/-, 40/- doz., each in Box.



THE WAR IN THE BALKANS.



An interesting scene in the "House of Maw." Packing Ambulance Cases for despatch to the seat of war.

IF IT'S MAW'S, IT'S BEST.

REORGANIZATION.

FEATURES OF OUR OPTICAL DEPARTMENT.

With a weekly increasing appreciation of our Optical Department by Pharmacist-Opticians, it has been necessary, in view of the large amount of work we have had to cope with, to thoroughly reorganize this important section of the House of Maw. We are now in a position to supply prescription work and repairs with promptitude and satisfaction at competitive prices. We hold a large stock of Spectacles in all metals, Eyeglasses of all designs, Opera and Field Glasses, Barometers, etc. All these and an expert staff are at your service. Why not send your next order to us? It will not be the last.



FOR THE INVALID.
ICE & HOT WATER BAGS
WITH A REPUTATION.

No selection of hot water bags would be complete which did not include this pattern, constructed for application to the eye. The price is 1/- each; or double, 2/- each. Similar to all the bags previously illustrated in this series, this Eye Bag is, of course, absolutely reliable, strong, and durable. In short, "Maw" quality throughout.



B1778/O.

Order Now.

(A few hints for this week compiled for the guidance of Pharmacists.)

MAW'S ANTISEPTIC
TOOTH STOPPING.

Price 18/- dozen boxes.

MAW'S INDIA-RUBBER
SPONGES.

"W" Oval.

From 7/9 to 42/- doz.

MEMORANDA.

Write here your requirements :

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57/16.11.12.

THE "D & O" BRAND
MEANS
"STANDARD OF QUALITY"

ESSENTIAL OILS, SOUTH AMERICAN BALSAMS & DRUGS.

Write for Samples and Prices of our PEPPERMINT OILS.

DODGE & OLCOTT CO., 20 MARK LANE,
LONDON, E.C.

BARNETTS
PERFUMES & COLD CREAM
STAND UNRIVALLED.

Samples and Prices (in bulk) on Application.

BARNETTS PERFUMERY LTD.,
126/128 Bristol Street, BIRMINGHAM.

LANCE PERFUMES. BLOSSOM DROPS.

Bottles in metal tubes or artistic wooden cases
(Lighthouse shape) from 3d. to 1/6 each.

LARGE BUYERS AND EXPORTERS 25% DISCOUNT.

APPLY D.O. 15, OFFICE OF THIS PAPER.

INDEX and BUYERS' GUIDE

See pages 5 to 9.

Kaloderma
Soap,

Face Powder,
Toilet Jelly,
Shaving Stick.



Peerless Toilet Preparations,
Unrivalled for the Complexion,
Softening & Beautifying the Skin.

GOLD MEDAL PARIS, 1900
GRAND PRIX, ST. LOUIS, 1904

Of all Chemists and Perfumers.

F. WOLFF & SOHN,

By appointment to H.R.H. The Grand Duke of Baden.
PARIS. KARLSRUHE. LONDON.
37, Faubourg Poissonnière. BADEN. 82, Hatton Garden, E.C.

**WE SHALL ESTEEM THE FAVOUR
OF YOUR INQUIRIES FOR:—**

NATURAL
FLOWER OILS,
ABSOLUTE, LIQUID,
CONCRETE, (SOLID.)

Rose.
Orange flowers.
Jasmin.
Tuberose.
Cassie.
Reseda.
Broom.
Violet.

**ARTIFICIAL
AND
SYNTHETIC
PERFUMES.**

Benzyl Acetate.
Cheiranthine.
Geranium Artificial.
Musk Artificial (all qualities).
Phenylethyl Alcohol.
Artificial Violet 100%
(all qualities).

**ESSENTIAL
OILS.**

Almond. Peppermint
Bay. (all qualities).
Clove. Petit Grain.
Geranium Rosemary.
(all qualities). Thyme.
Lavender Wintergreen.
(all qualities). Sassafras.
Neroli. Lemon. Bergamot.

SPECIALITIES.

Oil Oak Moss colourless. Neroli, H.A.
Oil Violet leaves colourless. Orris Root concrete.

Price Lists and Samples on Application.
CHARLES ZIMMERMANN & CO.
9-10 St. Mary-at-Hill, LONDON, E.C.



FRENCH ESSENCES

(TRIPLE STRENGTH)

THESE essences are the finest in the world. We only sell the best individual production of the best French manufacturers. This policy has built up for us a large bulk perfume trade amongst discriminating buyers.

Our French Essences are magnificent sellers.

Two new perfumes lately introduced to meet the modern taste for "heavy" essences are GENET and BALSAMINE.

In 1 lb., $\frac{1}{2}$ lb., and $\frac{1}{4}$ lb. handsome bottles, with heavy cut stoppers: a most attractive bottle for counter display.

We have also a Special Line in $2\frac{1}{2}$ oz. bottles, similar to the above.

SPECIAL OFFER.—To buyers wanting to test samples of the above we willingly send a small sample case *FREE* on application.

EVANS SONS LESCHER & WEBB
LIMITED
LONDON & LIVERPOOL

A

The number of dentifrices is myriad, their names are legion,

But—

in principle and in efficiency there is but one,

CALOX

THE OXYGEN TOOTH POWDER.

Its principle is the evolution of oxygen.

Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, London, Eng.

Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX, acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, London.

CALOX is entirely different from other dentifrices. Its introduction marks a decided advance in the scientific development of a dentifrice, a fact which the dental profession the world over has been quick to recognise. Chemists should interest themselves in Calox because only a chemist can explain the peculiar virtues and value of an oxygen-producing dentifrice.

Price to the trade, 9/6 per dozen on the P.A.T.A. plan.

McKESSON & ROBBINS, New York, U.S.A., Manufacturers.

BRITISH DEPOT—G. B. KENT & SONS, Ltd., 75 Farringdon Road, London, E.C.

EAU DE COLOGNE

"ELSA PLATZ" BRAND

Unrivalled for Delicacy and Strength.

Eminently suitable for a Speciality.

Sells readily at very handsome profits.

Sample and Prices on application.

SPURWAY & CIE., Ltd.

MANUFACTURING PERFUMERS,

14 BARTHOLOMEW CLOSE, LONDON,

E.C.



"DAMSCHINSKY'S" American Liquid Hair Dye

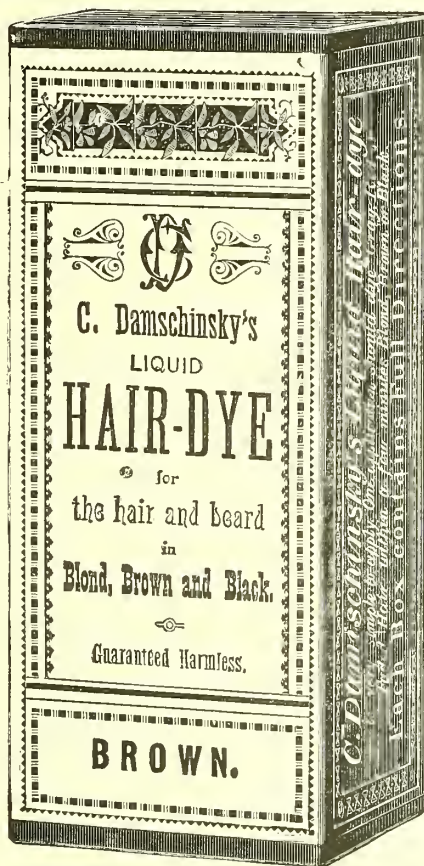
ONE PREPARATION.

FOR THE HAIR & BEARD (in Three Shades),
BLONDE, BROWN, & BLACK.

It contains no injurious substance. Dyes the Hair, whether grey or red, to any colour—from the finest blonde to the deepest black. It is efficacious and reliable. The oftener the colour is used, the darker becomes the shade of hair—so that the original colour of hair may be retained. It is a Dye, not a bleach. Will not give dark hair a light shade.



For orders of not less than 6 dozen, we give 1,000 Counter Bills with customer's own name and address as agent.



For quantities of not less than 2 gross, we print customer's own name and address on labels as agent.



PRICES:

1/3 Size:

9/- per Doz.

2/- Size:

12/6 per Doz.

CERTIFICATE.

This is to certify that I have examined C. DAMSCHINSKY'S LIQUID HAIR DYE, and find it to be free from all substances which might have an injurious effect, provided that the directions be adhered to. Especially is this preparation free from salts of lead and silver.

Dr. M. Hasenclever,

Wall Street, New York.

Analytical Chemist.

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GREAT BRITAIN:

OSBORNE, GARRETT & CO., LONDON, W.

EUCRYL TOOTH POWDER

YIELDS 100% PROFIT.

The Proprietors wish to call the attention of their numerous friends to the fact that the Cent. per Cent. Bonus Terms apply to the 1/- (Flat or Canister shape) as well as the 6d. tins.

3 doz. 1/- tins at 7/- per doz.	...	Cost	£1 1 0
3½ doz. (including free bonus)	...	Sell for	2 2 0
		Profit	£1 1 0

PROPRIETORS:

EUCRYL LTD., 61/63 LANT ST., SOUTHWARK, S.E.

(EST. 1839.)

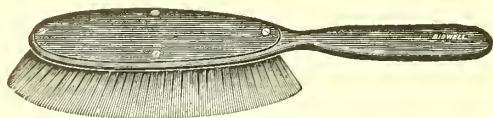
BIDWELLS,
AXMINSTER,
DEVON :: ENGLAND.



NO LOOSE HAIRS IN OUR
" TOOTH BRUSHES. "



THE "GRIP" NAIL BRUSH.



FINE QUALITY HAIR BRUSHES.

BIDWELL, BIDWELL & CO., LTD.

Gold Medal Awarded

IMITATIONS of our
Silver-drawn Tooth
Brushes are being sold.

SUPPORT HOME INDUSTRIES.

Estd. 1777.



Incd. 1900.

Diary, 1912, pp. 74, 75.

Winter Issue, 1912, pp. 48, 49.

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KENT'S

BRUSHES.

We are the largest manufacturers of

POWDER=PAPER

SHEETS,
BOOKS,
BLOCKS,



Best quality,
lowest prices

Ask for free samples.

KOPP & JOSEPH,

Perfumer, 122, Potsdamer Strasse,
BERLIN, GERMANY.

VALAZE

REMEMBER THE NAME.—Many ladies will ask you this summer for this beauty cream, made famous by London's fashionable West End Complexion Specialiste, Mme. Helena Rubinstein. It will not show flattering business acumen not to be able to supply it.

RETAIL PRICE: 4/6, 8/6, and 21/- A POT.

Madame Helena Rubinstein,
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Perfumery Buyers.

To ensure retaining your Lady Customers and increasing your trade in Perfumery you should supply a well-established brand.

**St. Paul's
Natural Perfumes**
are good in every way
and will pay you to show
—they sell themselves.



6d. Retail - - per doz. 4/-
1/- " - - " 8/-

Discount 5% monthly A/c.

PROPRIETORS:

F. NEWBERRY & SONS, Ltd.,
27 & 28 Charterhouse Square, LONDON, E.C.

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If you want a new hat
**DON'T BUY
JUST DYE**
Your old one for
6d.

With
"LUTON"
STRAW HAT DYE

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H

In bottles, 6d. each, in separate neat cartons, with suitable brush. These Dyes are a distinct invention, dying the straw without an objectionable varnished appearance, and producing the effect of new goods. On the P.A.T.A.

Write for terms, pa terns, also leaflet of testimonials:

WHITAKER & CO. COLOUR WORKS,
KENDAL, ENG.

London Depot: 8 MILK STREET, CHEAPSIDE, E.C.

SPECIALISTS IN VARNISHES, STAINS, DYES, &c. EST. 1878.

Telegraphic Address "Dullette" Kendal

THE CLINICAL and the PERSONAL THERMOMETER EQUATION.

We are making our reputation by enabling you to enhance yours. We know this cannot be done by making price the only con-

sideration. We can satisfy the Pharmacist who knows there is always room at the top for a first-class instrument at a fair price.

The Trade Only Supplied.

J. T. POWELL & Co., Manufacturers of Clinical and other Thermometers, 93 & 94 HATTON GARDEN, LONDON, E.C.

HAIR SPECIALITIES of WARNER OLIVER, LTD.

(FINEST IN THE WORLD).

4 HOLLES STREET, CAVENTISH SQUARE, LONDON, W.

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|-------------------------------------|--------------------|----------------------------------|
| 1. "WARNOL" (Scalp and Hair Tonic). | 3. Liquid Soap. | 5. Dry Shampoo (In powder form). |
| 2. Hair Lubricant. | 4. Powder Shampoo. | 6. Hair Brush Cleanser. |

SELL THEM. CUSTOMERS WILL COME AGAIN AND AGAIN. WE KNOW IT, AND YOU WILL KNOW IT.

IMPORTANT NOTICE!

"The Loncol"

PATENT ADJUSTABLE SHOWSTAND

PULLS

Business to your Establishment.

Very small outlay
large profits accruing.

Particulars can be obtained of—

THE LONDON & COLONIAL MFG. CO.,
9 Mildmay Chambers, Bishopsgate,
LONDON, E.C.

Chemists' Shop Fittings

Window Enclosures, Plate Glass Shelves, Mirrors, Silent Salesman, Glass Showcases (every description), Dispensing Screens, Drug Fittings, Wall-cases, Perfume Cases, Desks, Plate Glass Front Serving Counters, Counter Drawers, Shop Rounds,

AT ABSOLUTELY LOWEST PRICES.

You Can't do Better. 30 Years Fitting Pharmacies.

GEORGE COOK, THE CHEMISTS' WORKING SHOPFITTER,

30 BUTTESLAND STREET, EAST ROAD, N.

Sketches sent free.

Near Old Street Tube Station.

Testimonials from every customer.

You can supply your Customers with high-class Toilet Preparations at extremely low prices, and get a good profit yourself.

LARGE BUYERS and SOLE AGENTS
for our Specialities wanted everywhere.

Face Powder, best quality and special appearance; Tooth Paste in GLASS, ALUMINIUM-COVERED JARS; SHAVING STICKS IN FANCY DECORATED TINS; Tooth Powder, superior and cheaper to any other POMADE HONGROISE, five sorts and in all prices; COSMETIQUES for fixing the Hair, six qualities and sizes; "ELSO" FACE MASSAGE CREAM, extra fine quality; BRILLIANTINE IN DIFFERENT SIZES, qualities, and prices, ALSO WITH BUYERS' NAMES. Toilet Paraffin, Bay Rum, Lanoline, Lime Cream, "Flowerine" Hair Cream, Violet Powder, in highly decorated tins, Sachets, RAZOR PASTE, Scurf Pomade, "BRYSTA" CLOTH CLEANER, at lowest prices.

IT WILL PAY YOU to write for Samples and Quotations to:—

The

WHOLESALE CHEMICAL WORKS,
114 Copenhagen Street, King's Cross, LONDON (Eng.)

"JUGGLER"

BLACK FOR
LEATHER



FOR DYEING TAN BOOTS
SHOES SLIPPERS BELTS
HARNESSES ETC.
A FINE RICH BLACK

MANUFACTURERS
WHITAKER & CO. COLOUR WORKS, KENDAL,
(England).
ESTABLISHED 1878.
LONDON DEPOT, 8, Milk St. London, E.C.

(Reproduction of our Attractive Showcard.)

EASILY APPLIED. DRIES AT ONCE.
ONE APPLICATION. DOES NOT RUB. WATERPROOF.

Articles done with this black may be polished and worn 15 minutes after application. In bottles 6d. each, in separate neat carton with suitable brush.

WRITE FOR TERMS AND PARTICULARS.

WE ARE HELPING YOU WITH GOOD ADVERTISING

400% A RECORD PROFIT



SPECIAL BONUS OFFER "Softo" Preparations

"SOFTO" for Chapped Hands.

Retail Price, 1d. per tablet; Wholesale, 7d. dozen, 6/- gross.
4 dozen given free with 1 gross, thus costing net 4/6 gross.
1½ dozen with ½ gross and 1 dozen with 3 dozen (@ 7d. dozen).
Showing profits of 166⅓% on a gross, 150% on ½ gross, and 128⅓% on 3 doz.

"SOFTO" Shampoo Powders.

Retail 1d. each, seven for 6d.; Wholesale, 6/- gross.
4 dozen given free with 1 gross, thus costing net 4/6 gross.
1½ dozen with ½ gross and 1 dozen with 3 dozen (@ 7d. dozen).
Showing profits of 166⅓% on a gross, 150% on ½ gross, and 128⅓% on 3 doz.
Retail 2d. each, seven for 1/-; Wholesale, 8/- gross.
8 dozen given free with 1 gross, 3 dozen free with ½ gross.
Showing 400% profit on a gross, and 350% on ½ gross.

"SOFTO" Face Powder.

Retail Price, 4d. per box (three tints); Wholesale, 2/9 per dozen, 30/- gross.
8 dozen given free with 1 gross, thus costing net 18/- gross.
3 dozen given with ½ gross and 1½ dozen with 3 dozen (@ 2/9 dozen).
Showing profits of 200% on a gross, 170% on ½ gross, and 145% on 3 doz.

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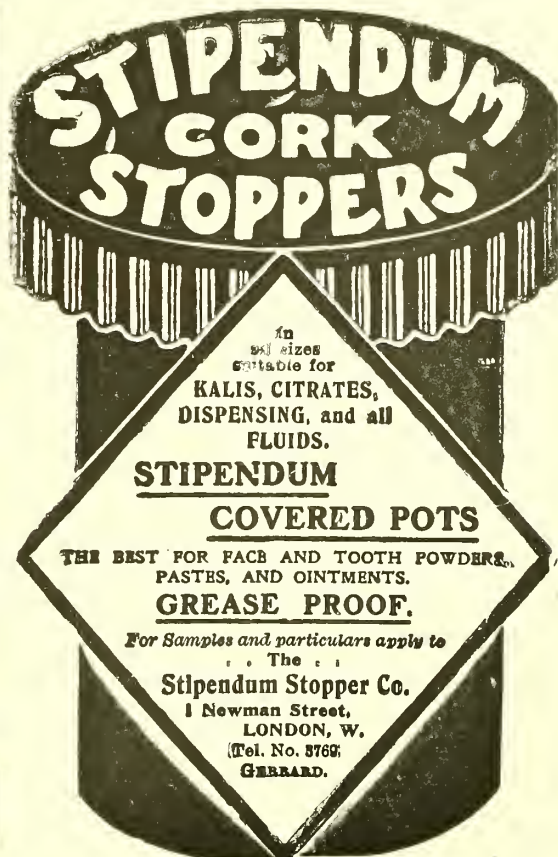
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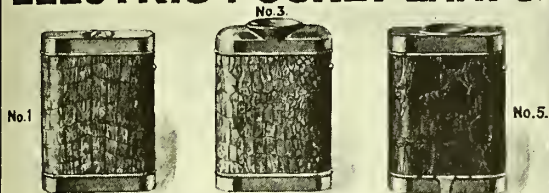
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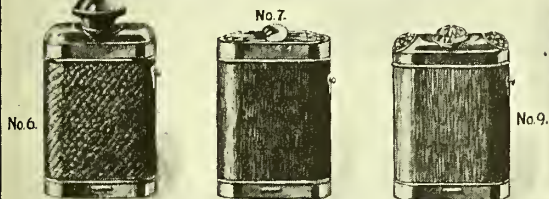
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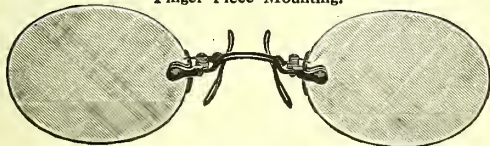
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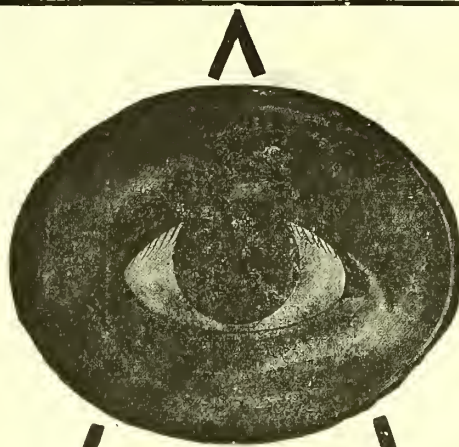
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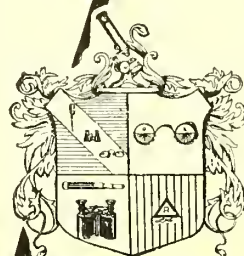
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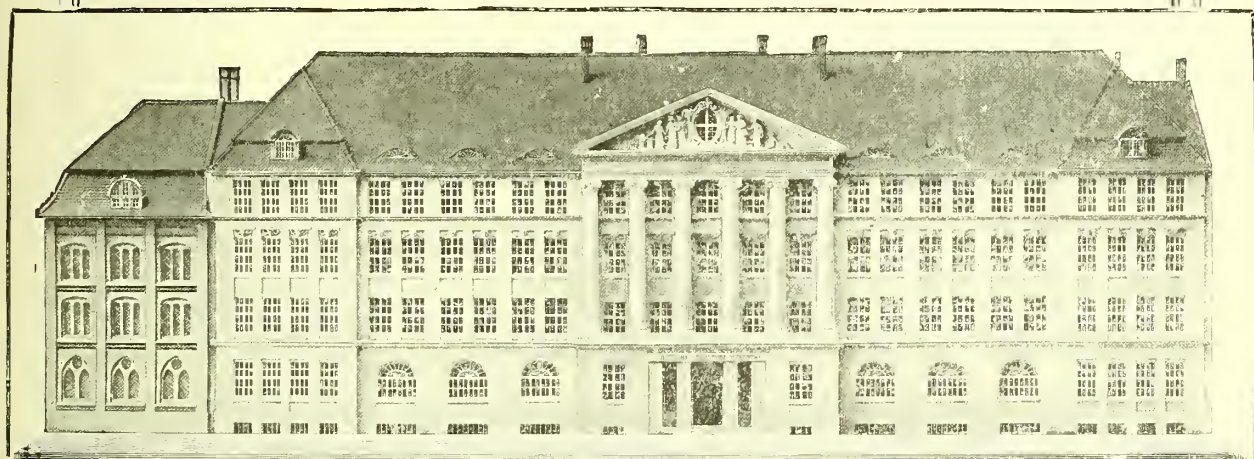
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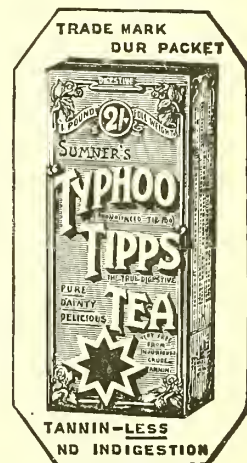
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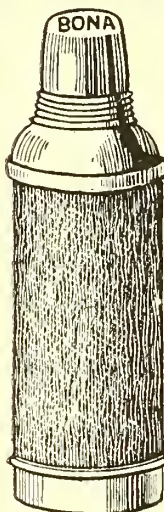
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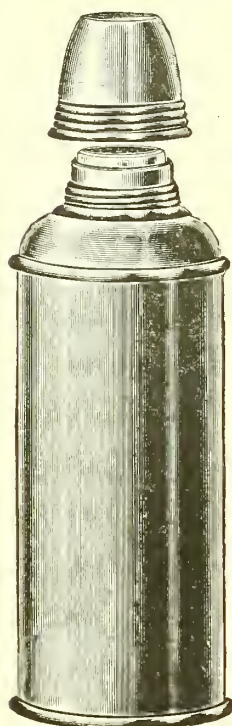
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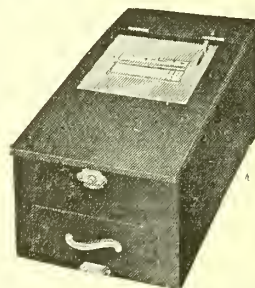
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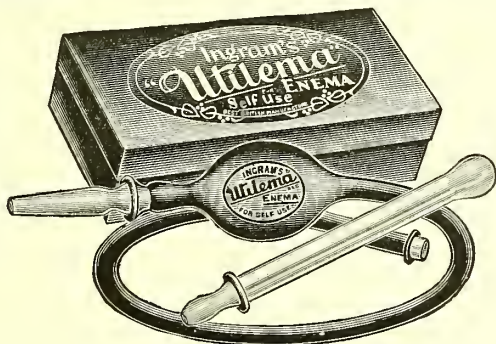
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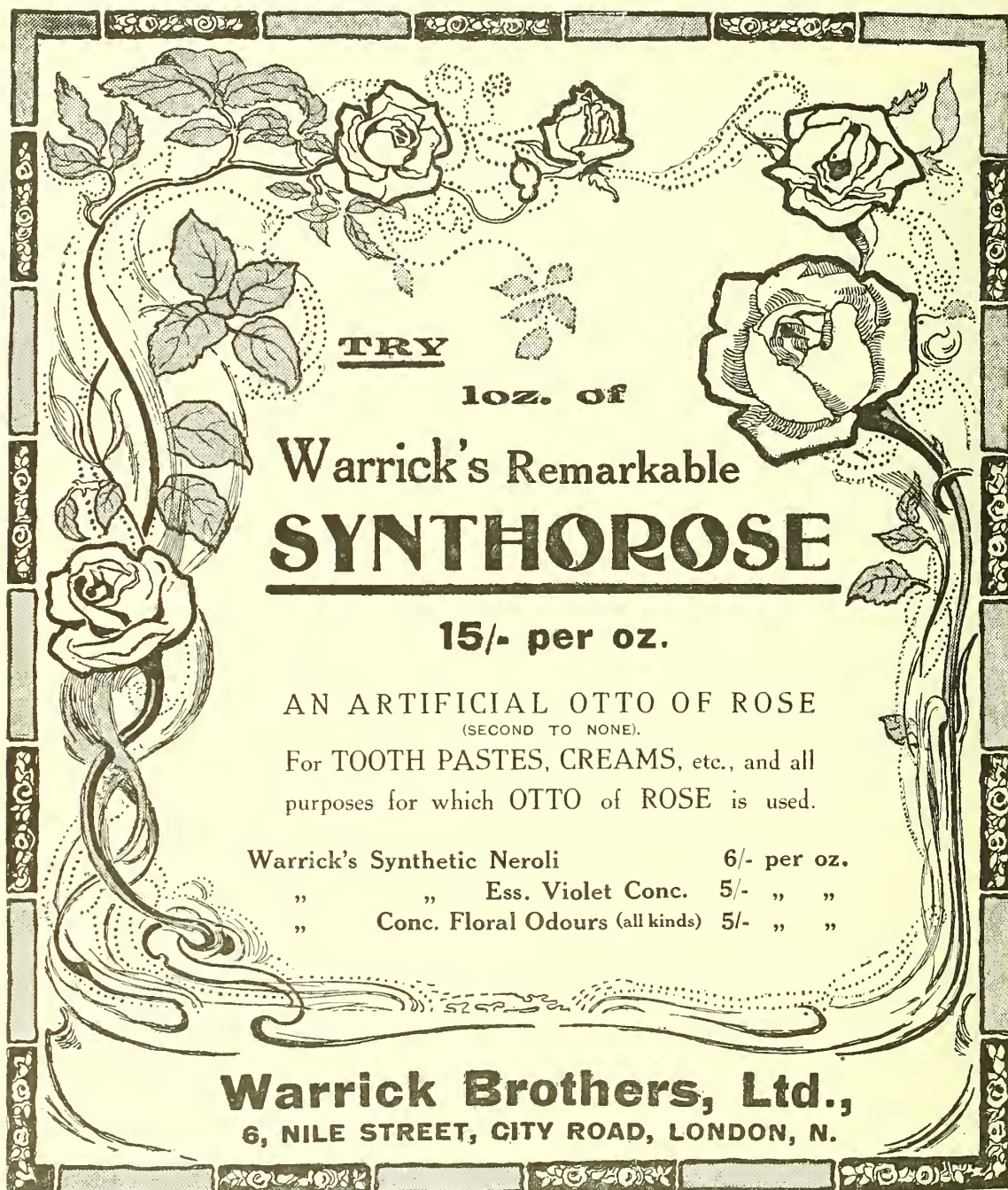


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Patent Specifications.	Trade-marks.

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42 Cannon Street, London, E.C.

SUMMARY OF THIS ISSUE.

The more notable items only are dealt with.

Articles and Communications.

Further protests in regard to the proposed Insurance dispensing arrangement are printed on p. 63.

The Insurance Commissioners are making inquiries as to the wholesale prices of drugs in Germany (p. 49).

Dr. Monier-Williams has made further investigations on bleached flour for the Local Government Board (p. 49).

An official statement regarding the Order in Council covering weak solutions of phenol is referred to on p. 49.

"The State of Business" on p. 48 is a sketch of the growth of the trade of the United Kingdom during the past ten years.

Many inquiries reach us as to the effect on chemists' shops of closing orders under the Shops Act, 1912, and we deal with the matter on p. 50.

"Xrayser" deals with the case for the defence of proprietaries, Insurance Medical Benefit, quacks, Government grants for pharmacy teaching, and the romance of incandescent gaslighting (p. 47).

News of the Week.

A considerable section of news is printed in the Coloured Supplement of this issue.

The late Mr. Wm. Woodward left 109,807*l.* and Sir Robert Pullar 519,675*l.* (p. 41).

Railway companies have issued their fiat as to the carriage of empty chemical carboys (p. 34).

The Nobel Chemistry Prize is to be given this year to two French Professors—Grignard and Sebastian (p. 35).

At the Council-meeting of the Pharmaceutical Society of Ireland a new regulation respecting the nomination of Councillors was notified (p. 43).

It rarely happens that we are called upon to report the death of husband and wife together. We have an instance this week in Mr. and Mrs. Robert Jones, Cavan (p. 41).

A number of gentlemen connected with the drug and chemical trades have been elected Mayors in England. Several portraits and biographies are given on p. 37.

The Patent Medicines Committee met for two hours on Thursday, when Mr. C. H. Ratcliffe was further examined. The Committee adjourned early on account of the Parliamentary crisis (p. 56).

The list of papers at the Chemical Society's meeting last week was formidable, and only a small proportion could be actually read. A communication by Mr. F. H. Carr pre-figures further information on the constitution of aconitine. An essential oil of cocoa has also been obtained, and further progress made in crystallography (p. 50).

The legal actions reported are numerous and important. They include an interesting case regarding the sale of a chemist's business, the sale of belladonna plasters by drug-store keepers, several having been fined 5*l.* each, and Medicine Stamp Act cases, in one of which "Pharmaceutical Formulas" was a successful defence (p. 39).

Several important items are mentioned under National Health Insurance on pp. 45-46. We quote an official letter showing that chemists on Insurance Committees may be on the dispensing panel. Mr. Lloyd George's letter to the British Medical Association, so far as it affects drug supply, is quoted. The doctors are not agreeing to his terms.

Before the House of Commons adjourned on Thursday, the President of the Board of Agriculture informed Mr. Bathurst in regard to "advertisements of quack medicines and appliances, which are condemned by the veterinary profession, and appear regularly in the Board's journal," that he is considering the advisability of inserting a disclaimer in the journal.

Trade and Market Matters.

Glycerin, cocaine, menthol, Japanese peppermint oil, and hellebore are dearer. Potash prussiate, quinine (seconds), and zinc salts are firmer. English castor oil, milk-sugar, shellac, lead, tin crystals, and linseed oil are cheaper (p. 59).

ENGLISH AND WELSH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

Evans' Drug-stores, Ltd., Talgarth, wrote to Hay Rural District Council applying for permission to store diphtheria antitoxin. Permission was granted subject to compliance with forms and rules.

A serious fire occurred in the cotton-wool drying-room of Messrs. Robinson & Sons, Ltd., Chesterfield, on November 7. Fortunately the firm possesses an emergency drying-room, which enables manufacturing to be continued without any interruption.

The Duke of Argyll, K.G., K.T., has accepted an invitation to dine with the Spectacle-makers' Company on November 26, at De Keyser's Royal Hotel, London, E.C., when Sir Marcus Samuel, Bart., will take the chair, as Master, on the occasion of his inaugural feast.

The "No Compulsory Closing League" is to lay before the Home Secretary a protest against the closing order for Wednesday, December 18, and those who are favourable to it are requested to send their names and addresses to Mr. J. J. Seeley, 236 Great Portland Street, London, W.

At the funeral of Mr. Henry Gadd, J.P., at Exeter, last week, the Exeter Association of Pharmacists was represented by Messrs. T. C. Milton (President), P. F. Rowsell, J. Hinton Lake, D. Reid, F. Sloman, E. Lemmon, C. Wynne Tighe, F. W. Vinden (Hon. Secretary), W. Aplin, C. Botting, J. A. Butts, and Alan H. Ware (Exeter Dispensary). Mr. A. D. Breeze, Plymouth, represented the Three Towns Chemists' Association.

Mr. H. C. Bedding was awarded 50l. by Mr. Justice Phillimore at the Central Criminal Court, London, E.C., on November 11, for the part he played in the arrest of the murderer Titus, who was found guilty, but insane (*C. & D.*, October 5, index folio 528). The nation, said his Lordship, is much indebted to the men who acted so bravely. A complimentary concert on behalf of Mr. Bedding is to be held at The Irish House, Cambridge Circus, Charing Cross Road, London, W.C., on November 22.

The funeral of the late Mr. W. Gatehouse, President of the Northampton Chemists' Association, took place at Northampton on November 7. The first part of the service was conducted at All Saints' Church by the Rev. Canon L. T. Jones. The interment was at the Billing Road Cemetery. The Northampton Chemists' Association was represented by Mr. Geo. Ingle, Mr. L. North, and Mr. H. Rolfe (Secretary). The Association also sent a beautiful wreath bearing the inscription "Our late President."

The opening meeting of the session of the Royal Society of Arts will be held at John Street, Adelphi, London, W.C., on November 20, when Lord Sanderson will deliver an address. Among the lectures at the ordinary meetings before Christmas is one by Mr. A. Zimmermann on "The Manufacture of Sugar from Wood, and its Economic Importance," and another by Dr. F. Mollwo Perkin on "Synthetic Rubber." Next year Dr. David Sommerville is delivering three Cantor lectures on "Antiseptics and Disinfectants."

Contracts.

Dartford Rural Council.—Allen, Harding & Co., for chloride of lime at 7l. 10s. per ton.

Northampton Town Council.—Mr. G. D. K. Clowes, chemist, Northampton, for the supply of drugs and chemicals for the Borough Hospital.

Analysts' Affairs.

The Hertfordshire analyst examined five drug-samples, all of which were genuine.

In Battersea last year five samples each of arrowroot and olive oil were examined and found to be genuine.

With reference to the paragraph regarding the appointment of a public analyst for Liverpool, the contributor writes:

"I learn that the recommendation of the Liverpool Health Committee respecting Dr. Stenhouse Williams was with-

drawn from the agenda, the gentleman having obtained another appointment under the Board of Agriculture, but this fact was not announced."

Mr. G. E. Scott-Smith, Sheffield city analyst, states that four samples of sweet spirit of nitre were analysed. One was full strength; two were deficient in ethyl nitrite to the extent of 57 and 40 per cent. respectively, and one contained only a trace of ethyl nitrite. Nine samples of pepper, seven of compound liquorice powder, six of camphorated oil, and one of ground ginger were genuine.

The Sunbury District Council last week had again before them the application of Mr. H. M. Bateson, chemist and druggist, Sunbury, for the post of analyst to the Council. Mr. Bateson stated that, as desired, he had made inquiries and found that his qualifications were all that was necessary for the post. Should any occasion arise for corroborative evidence, Mr. J. C. Umney, F.C.S., had promised to assist him. It was ultimately agreed to accept Mr. Bateson's assurance and to appoint him as analyst to the Council.

Liverpool Notes.

Boots, Ltd., are opening new premises on the Cheshire side of the Mersey at Rock Ferry and Ellesmere Port.

Many Liverpool chemists attended the meeting convened by the Pharmaceutical Society in the Memorial Hall, Albert Square, Manchester, on November 13.

A sale by auction of the contents of the premises situate at 66 Paddington, Liverpool, took place last week. The bill of sale described this herbalist's shop as a "Drug Store and Chemist's Business."

Manchester Notes.

Rumour is busy with a report that Boots, Ltd., are contemplating opening a branch in the Withington district.

The annual dinner of the Salford Pharmacists' Association, which was fixed for November 13, has been postponed until November 27 on account of the big Insurance meeting. A record gathering is anticipated.

Several instances of well-known Manchester pharmacists not having received notification of the important meetings on local organisation and Insurance matters on November 13 have just come to light. Apparently the registers at headquarters require overhauling and bringing up to date.

The large meeting of medical men at the Midland Hotel on November 9 gave a very decisive "No!" to the question as to whether they would work under the National Insurance Act. This has set the Manchester chemists wondering what is to be the outcome if the doctors stick to such a decision.

At the close of the Council-meeting of the Manchester Pharmaceutical Association on November 11, the President (Mr. J. C. Kidd), on behalf of the members of the Council, presented Mr. W. Griffiths Hughes, the Hon. Secretary, with a fine case of fish knives and forks, on the occasion of his recent marriage.

Chemists interested in photography should not miss the opportunity of visiting the very fine photographic exhibition being held this week at the Manchester Athenæum by the Amateur Photographic Society. Lantern-lectures are being given every evening. The one on Tuesday by Mr. T. K. Grant, "On the Autochrome Plate and the Romance of Colour Photography," was particularly interesting and instructive.

Mr. Miles Coupe, F.C.S., chemist to Messrs. Mitchells, Ashworth, Stansfield & Co., Ltd., Rissendale, gave evidence on Tuesday in the Chancery Court at the Manchester Assizes in an action between his company and other mill-owners. When the hearing was resumed on Wednesday it was intimated that he was unable to attend owing to illness, and before the Court had time to adjourn a telephone message was received saying that Mr. Coupe was dead.

Carriage of Returned Carboys.

At a meeting of the Manchester Chamber of Commerce on November 13, it was stated that in January last the Board, at the instance of the Chemical Section, ad-

ressed the railway companies upon the decision of the latter to accept only at owner's risk returned carboys which had contained dangerous liquids on the outward journey. This was the reversal of a practice of many years, and the Board asked for explanations. A reply has now been received from the railway companies in conference, which, without answering the point as to the exclusion of such articles from ordinary risk rates, states that they will not be accepted for conveyance unless they are securely stoppered or are quite clean and empty. The matter was remitted to the Chemical Section for consideration.

From Various Courts.

At Stafford on November 12, a tramp named Harry Shaw was sentenced to two months' hard labour for breaking a plate-glass window at the establishment of Boots, Ltd., Market Square, Stafford.

At New Romney (Kent) on November 5, Ernest Masey (13) was bound over for six months on a charge of stealing two thermometers, value 2s., the property of Mr. C. Gerring, chemist and druggist, High Street, New Romney. The Bench also ordered that the defendant be whipped by his guardian.

At Oldham on October 30, two boys, aged ten and eleven respectively, were ordered six strokes of the birch each for breaking into the premises of Messrs. J. J. Thompson, Ltd., chemists, Manchester Road, Hollingwood, and stealing articles to the value of 15s. The boys had seen at a picture palace how easy it is to break into a shop.

At the Central Criminal Court on November 12, James Winslow (39), merchant, Frederick Carrier (37), accountant, both of Swindon, and Fredk. Horace Hepden (31), merchant, of Forest Hill, were each sentenced to ten months' imprisonment in the second division for conspiring to obtain goods by false pretences. Goods to the value of 1,000l. had been obtained by prisoners, who traded mainly as "Darton & Co.," from various firms, including Messrs. Keating & Co., and Ward & Goldstone, Birmingham. It was stated that Winslow, who is an undischarged bankrupt, had been associated with Carrier before coming to London as the Aërated Water Co., Swindon.

At the Marlborough Street Police Court, London, on November 9, George Williams (32), described as a dentist, Rowton House, Camden Town, was sentenced to nine months' imprisonment with hard labour for obtaining by false pretences perfumery of the value of 34l. 11s. 6d. from the London Essence Co., 99 George Street, Camberwell, S.E., and goods to the value of 10l. 6s. 9d. from Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C. The articles were ordered in the name of "L. W. Roberts, M.B." The order for Messrs. Oppenheimer's goods was given at an exhibition in the Royal Horticultural Hall, Westminster.

An inquiry was held at Charlton Kings, Glos., on November 7, into the death of Henry Grayson Woodliffe, chemist and druggist, Hamilton Place, London Road, Charlton Kings, who was found dead in bed on the morning of the previous day. The Coroner recalled the fact that a charge of attempted suicide with prussic acid had been brought against deceased last September. His defence then was that he took the drug to counteract the effects of alcohol. Dr. Hugh Powell said his *post-mortem* examination revealed no sign of corrosive or other poison, neither was there any sign of a hypodermic injection. There was no smell of prussic acid. The only way of ascertaining definitely whether there was any poison in the stomach was by analysis. If analysis showed no sign of poison, witness should say that the cause of death was the diseased condition of deceased's organs. The jury returned a verdict in accordance with the medical evidence. They did not consider an analysis necessary.

FOR THE BEST RECIPES consult "Pharmaceutical Formulas," the most popular and practical book of the kind in the English language. All sorts and conditions of animals are dealt with in "Veterinary Counter Practice," one of the most useful of the C. & D. series of books. Price 3s. 6d., by post 3s. 9d.

IRISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

Sir Stanley Harrington has been re-elected Vice-Chairman of the Cork Employers' Federation for the coming year.

Mr. R. F. McCartney, Ph.C., The Diamond, Coleraine, has been elected on the Special Committee of the Coleraine Unionist Club.

Mr. W. C. Dobbin, Ph.C., North Street, Belfast, has been appointed on the Executive Committee of the Old Instantians Association, Belfast.

The oil-store of Messrs. S. Connor & Sons, Hill Street, Newry, narrowly escaped destruction by fire on November 8, a large three-storey building adjoining having been burned out.

Mr. M. Ryan, Ph.C., who is opening a business in Cork, has been the recipient of a present from the staff of Messrs. Waters & Son, Ltd., Winthrop Street, Cork, with which he was connected for some years.

New pharmacies have been opened by Mr. Henry Knight, Ph.C., at Ennis, co. Clare, and Mr. J. O. Atkinson, Ph.C., Rathdrum, co. Wicklow. In both cases the fittings have been carried out by Messrs. Philip Josephs & Sons.

A poisoning case—the first of its kind in Ireland—was investigated by the Mid-Armagh Coroner on November 7, when the jury found that the death of a child was due to the introduction into the stomach of *Bacillus enteritidis* of Gaertner. How the bacilli got there cannot be stated with certainty.

Business Changes.

The formal reopening of the extensive premises of Messrs. Wm. Dobbin & Co., Ltd., North Street, Belfast, wholesale chemists and druggists, took place on November 9. The work of setting back the frontage line to widen the street and the rebuilding has been in hand



since June. To commemorate the occasion the firm presented a handsome silver-plated bon-bon dish to each purchaser of goods to the value of 5s. The appearance of the premises is very handsome, as will be seen from the accompanying illustration. The business is a very old one, having been founded in 1841 by the late Mr. William Dobbin, and its record has been one of steady progress and development. The present managing directors, Mr. William C. Dobbin and Mr. W. J. Busby, are worthily maintaining the traditions of the house.

Messrs. Marshall & Co. Ltd., chemists, Belfast, have disposed of their branch, 27 Falls Road, to Mr. W. M. Keys, L.P.S.I., who will conduct it as a retail pharmacy. Mr. Keys served his apprenticeship with Mr. Robert Barron, Ph.C., 399 Antrim Road, Belfast.

The remodelling of the interior and exterior of the pharmacy of Mr. John Smith, Ph.C., Rathgar, which was referred to in the *C. & D.*, November 2, index folio 672, was carried out by Messrs. Philip Josephs & Sons, Ltd., Old Street, London, E.C., who also carried out the fitting of the new shop which Messrs. Hayes, Conyngham & Robinson, Ltd., opened in Henry Street, Dublin (*C. & D.*, October 19, index folio 601). The interior of Messrs. Hamilton, Long & Co.'s pharmacy in Sackville Street, has also been remodelled by Messrs. Philip Josephs & Sons.

The Apothecaries' Hall Diploma.

The diploma granted by the Apothecaries' Hall of Ireland was the subject of references by Judge and counsel at the hearing of an action in the Four Courts, Dublin, last week. Mr. James Allen Levins, a medical student, sued the Dublin United Tramways Co. to recover 1,500*l.* damages for injuries to the head from having been struck by the trolley of a tram in which he was travelling last March. The plaintiff, in the course of his examination, stated that he had only one more examination to pass at the Apothecaries' Hall to be qualified to practise medicine. The Apothecaries' Hall diploma is recognised by the Army, the Navy, the Indian Medical Service, and all public institutions. "I don't think," remarked Mr. Justice Kenny, the presiding Judge, "that the Apothecaries' Hall licence would carry you into anything." "It would carry you anywhere you want to go," said Mr. Powell, K.C. "It is a much more ancient institution than any of them." "That may be," was Mr. Justice Kenny's reply. A settlement of the case was arrived at on the following day.—The Registrar of the Apothecaries' Hall has since sent a letter to the Press regarding the incorrect expression of opinion by Mr. Justice Kenny, which, he says, a reference to the "Medical Register," which is supplied to all law courts, would have cleared up at once.

SCOTTISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Edinburgh.

A local palmist (or should it be palmiste?) advertises herself as "Mme. Crauford Tait, F.C.S. (certificated); accurate, true."

At the meeting of the Edinburgh Photographic Society on November 8, Dr. Inglis Clark gave a lecture on "The Scenery of Scotland," illustrated with his autochrome slides.

The fourth annual dance in connection with Edinburgh Pharmacy Athletic Club will be held in Victoria Hall, Leith Street, on Monday, December 2. Tickets: Double, 7*s.*; gent's, 4*s.* 6*d.*; lady's, 3*s.* First dance at 8.30 P.M.

"Edinburgh Pharmacy" and "Edinburgh Tramways" played a Wednesday League game of football at Inverleith on November 6. Result: Tramways, 3; Pharmacy, 1. The Police having already proved too strong for the chemists, the Tramways must have been desirous of proving themselves too swift.

Glasgow and the West.

The Scottish Red Cross unit for the Turkish war is in command of Major R. E. M. Douglas, Glasgow; with medical officers Dr. H. C. D. Rankin, Glasgow, and Dr. C. S. Black, Glasgow.

Mr. J. H. Preston, late manager for Messrs. F. Spite & Co. at Crosshill, is opening at 75 High Street East, Lochwinnoch, Renfrew, having taken over the stock and fittings of the shop carried on by Dr. Gregor.

Mr. R. Urquhart, D.B.O.A., of Messrs. Cockburn & Co.'s Ltd., Union Street branch, has been promoted to the managership of the firm's Kilmarnock branch in room of Mr. Hogg, who has commenced business on his own account.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

A MUSEUM OF HYGIENE.—A Municipal Museum of Hygiene was opened in Paris last week in the former rectory of the old church of St. Leu.

THE NOBEL CHEMISTRY PRIZE.—According to telegraphic advice received from Stockholm, the Swedish Royal Academy of Sciences has awarded the Nobel Prize for Chemistry jointly to Professor Grignard, of the Nancy University, and Professor Sabatier, of the Toulouse University. The prize amounts to about 7,650*l.*

THE BOARD OF THE BRITISH CHAMBER OF COMMERCE, PARIS, met on November 8, when a letter was read from H.M. Postmaster-General, stating that negotiations are proceeding with the French Government for a reduction in Franco-British parcels-post rates and an increase in the maximum dimensions of such parcels to 3½ ft. Cordial appreciation was expressed of the Postmaster-General's ready recognition of the benefits which will be conferred upon British exporters to France by this reform. The Chamber has made representations to the French authorities against the Customs classification of theobromine and wattle extract, the latter having been "assimilated" to a class paying a prohibitive rate of duty.

OFF TO THE WAR.—One of the minor "signs of the times" has been the exodus of the Eastern students from the Quartier Latin. Bulgaria and Greece especially look to the Paris University as their *alma mater*, and the number of natives of the Balkan Peninsula one might chance upon in some of the cafés of the "Quartier" was considerable. I speak in the past tense, for most have hastened to the East. One student at the Faculty of Medicine arranged with his Professors to submit his thesis (already prepared) at once, and started for the seat of war with his "Doctorate" diploma in his pocket. Bulgarian students are common also at Nancy, Montpellier, and other provincial centres, and are found in most of the Faculties, particularly in Medicine and Sciences. At the request of M. de Panafieu, French Minister at Sofia, the French Red Cross Society has despatched 700 kilos. of medicaments, dressings, and disinfectants to Bulgaria.

BERTHELOT'S STATUE.—The sculptor, René de Saint Marcieux, has just finished his statue of Berthelot. He represents the famous chemist as I have seen him walking in his garden at Meudon, careless in dress and gait; but instead of his usual bent attitude, Berthelot is represented with his head uplifted and his gaze wandering in far-off space. Two secondary reliefs complete the monument. One shows Renan and Berthelot, side by side, reading from the same book. Below is the one word "Amitié." The other represents Madame Berthelot before her marriage; Berthelot, standing by her side, holds her hand as if inviting her to rise and follow him. "Amour" appears below. These reliefs were suggested by the great sons. Renan was Berthelot's Jonathan, and of Berthelot himself and his wife it might be said, in the words of the Psalmist, that "they were lovely and pleasant in their lives, and in their death they were not divided." So they lie together in the Panthéon, she the only woman in that Valhalla. M. Loubet, president of the committee formed to erect the statue, has applied for a site opposite the College of France, Paris.

THE SPANISH PREMIER, Señor Canalejas, was shot dead in Madrid on Monday by an anarchist as he was leaving the Home Office. Our Paris correspondent wires that the Premier was carried into Borrell's pharmacy, Puerto del Sol, and medical assistance summoned. He was, however, found to be dead. The funeral took place in the Atocha Basilica on November 13, King Alfonso walking in the funeral procession.

CHEMISTS' ASSISTANTS' ASSOCIATION.—A Cinderella dance will be held in the Throne Room of the Holborn Restaurant on the evening of December 12 at 7.30. Mr. C. W. Martin will act as M.C., and the Clement Harris Band has been engaged. Tickets (single 5*s.* 6*d.* and double 10*s.*, including supper in the Grand Salon) can be obtained from any of the stewards, or from Messrs. A. Haigh and F. Naylor, The Dispensary, St. Bartholomew's Hospital, London, E.C.

Mayoral and Municipal.

NOVEMBER 9 is the day upon which Mayors and Lord Mayors are appointed in England and Wales. Several gentlemen connected with the chemical and drug trades have received this the highest honour that their fellow-citizens can bestow upon them.

Chesterfield's new Mayor, succeeding the Duke of Devonshire, is Major William Bradbury Robinson, of Elm Lodge, Chesterfield, and one of the directors of Messrs. Robinson & Sons, Ltd., manufacturers of surgical dressings and cardboard boxes. The Major is well known to the London drug-trade, and is a most popular man in his native town. He is the son of the late Mr. William Bradbury Robinson, who was the son of Mr. J. B. Robinson, the Chesterfield chemist, who founded the box business in 1839, to which later were added cotton-wool, surgical dressings, and printing, so that now the



MAJOR ROBINSON.
Mayor of Chesterfield.

pay-roll of the business is about 1,500. As an officer of the Derby Regiment Major Robinson had charge of the cycle section for some time, and during the Boer war he went out for active service, being military commandant at Viljoen's Drift during the greater part of his stay (1901-2), also commanding a cyclist company. For his services he received the South African medal and five clasps. He retired from the Territorials last year, but his son, Lieutenant F. B. Robinson, is an officer of the 6th Battalion. Major Robinson has been in the Town Council since 1904, except an interval from April 1909 to November 1910, when his health was indifferent. His father and his uncle (ex-Alderman C. P. Robinson) have both been Mayors of Chesterfield, and his cousin, Mr. John B. Robinson, is at present a member of the Town Council. Coventry is fortunate in securing Colonel W. F. Wyley, F.C.S. (Wyleys, Ltd.), for a second term as Mayor.



COLONEL WYLEY.
Mayor of Coventry.

When his re-election was proposed the mover (Mr. Battmann) said: "There have been those who have left a name behind them that their praises might be recorded, and of all Coventry names none shines brighter, none sounds truer, than the name of William Fitzthomas Wyley." In the course of his reply, the Mayor referred in kindly phrase to the serious illness of Alderman Frederick Bird, the veteran chemist of the town.

Hammersmith has appointed Mr. Samuel Dawson Leah, I.S.O., as Mayor. It will be remembered that Mr. Leah was Chief Inspector of Excise when the inquiry and negotiations respecting tax-free alcohol for industrial purposes were going on ten years ago. He has since retired, and is taking keen interest in municipal work, being still on the bright side of seventy.

Kingston-on-Thames' new Mayor is Mr. Charles Henry Burge, F.I.C., who resides at Idlesleigh, Crescent Road, there.

Mr. S. W. Royce, whose firm is connected with the chemical and metal trades, has been re-elected Lord Mayor of Manchester. He has been an excellent chief-citizen,

and his re-election is in anticipation of a Royal visit during 1913.

Norwich's new Lord Mayor is Mr. A. M. Samuel, a director of the Apollinaris Co., Ltd., whose London residence is 48 Montagu Square, Marble Arch.

Alderman Edgar Neale, J.P., the Mayor of Chippenham, has his pharmacy in the High Street there. He was apprenticed to Mr. E. H. Orchard, Salisbury, and passed the Minor examination in June 1875. In 1878 he commenced business in Chippenham, and entered the Town Council two years later, became Mayor in 1884, again in 1893, and now returns to the chair for a third time. He has been a hard worker on the Council, where for some years he has been Chairman of the General Purposes Committee, and active in many spheres of usefulness in the town. Nevertheless, this recent portrait shows that Mr. Neale carries his six decades lightly.



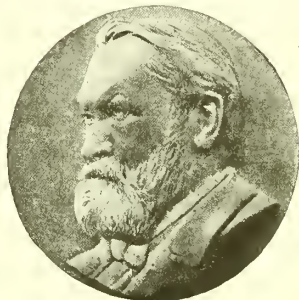
MR. E. NEALE,
Mayor of Chippenham.

The Mayor of Swindon for 1912-13 is Mr. John James Shawyer, J.P., chemist and druggist, of that town, who commenced his successful commercial and pharmaceutical career in 1872 as an apprentice to Mr. H. C. Broad, of Clevedon, Somersetshire, where he was born in 1856. He passed the Minor examination in 1879, and three years later went to Swindon, his business being at 12 Wood Street and a branch at 22 Faringdon Street. He is President of the Wiltshire Chemists' Association. In municipal and political affairs Mr. Shawyer has taken a practical interest for many years, and was one of the first members of the Swindon Corporation to be elected.



MR. J. J. SHAWYER,
Mayor of Swindon

Stockport has elected the veteran pharmacist Mr. Thomas Kay, of Kay Bros., to the mayoral chair. Heywood is his native town, and there he served his apprenticeship with Mr. James Greenough fifty-six years ago. After his apprenticeship he was an assistant to chemists in various towns, lastly with Mr. Peter Squire under Mr. Cockeram's management (1863). He joined his brother, Mr. Samuel Kay, J.P., in 1864, and founded by their partnership the firm of Kay Bros., Stockport, in 1867. This was made into a limited company in 1887. The British drug-trade knows how the firm have specialised in several preparations which have made for the brothers a name of world-wide repute. Of the new Mayor we cannot do better than quote the "Manchester City News," which said:



MR. T. KAY.
Mayor of Stockport.

"Anyone at first glance would pronounce Thomas Kay as a typical Briton. He does not stand on ceremony, does

not mince his words, does not dilly-dally in his undertakings. He knows exactly what to do and does it. He is a keen business man, a scientist of no mean repute, and a patron of the arts. His practical commercial work is in the laboratory, and as a man diligent in business he may be said to have stood before kings. But he loves music, painting, literature, and the drama; he founded the Maia Choral Society; he bestowed an art gallery on his native place, Heywood; he reads books and writes them, too; he trolls a good song, and composes the verses; he makes a racy after-dinner speech; and he shows a real human interest in everything. That is the keynote of Thomas Kay's character—his intense humanity."

Other appointments of interest to the trade are Alderman Smith Ward, Batley, a chemist and druggist, elected Mayor of that town, and Mr. T. J. Roberts, Well Street, the new Mayor of Ruthin.

Other Municipal Honours.

The following gentlemen have been appointed Deputy-Mayors:

Sir Joseph Beecham, St. Helens.
Mr. C. H. Waterhouse, J.P., Ashton-under-Lyne.
Alderman A. Sidney Campkin, chemist and druggist, Cambridge.
Mr. G. Woodhouse, chemist and druggist, Bull Ring, Ludlow.

The following pharmacists (besides those mentioned in our last two issues) have been elected to serve on their local Borough or Town Councils:

Mr. D. Jones, Llanfyllin, Mont.
Mr. G. J. Knight, 452 Edgware Road, London, W., to the Marylebone Borough Council.
Mr. E. H. Storey, 42 Castle Street East, Oxford Street, London, W., to the Marylebone Borough Council. Returned unopposed for a second time.

Ex-Bailie J. Raffan, chemist and druggist, Stirling, has been appointed a police judge.

Mr. Alexander Walker, chemist and druggist, Jedburgh, has been re-elected a bailie.

Alderman R. Fitzhugh, J.P., chemist and druggist, has been elected a member of the Committee of Visitors of the Nottingham City Asylum.

Mr. Henry James Bates, chemist and druggist, Red House, Old Benwell, has been nominated to fill a casual vacancy on the Newcastle-on-Tyne Town Council.

BUSINESS CHANGES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

MESSRS. NEEDHAMS, LTD., have purchased the business of Blunts, Ltd., chemists, 4 Abington Street, Northampton.

MESSRS. GUESTS, LTD., have purchased the business of Mr. Pennock, Tooting Broadway, London, S.W.

MR. ERNEST PRESTON, Ph.C., has become a partner in the firm of Sinkinson & Partners, analytical chemists, 42A Holly Street, Sheffield.

MR. G. W. FITTON, chemist and druggist, has purchased the business of Mr. E. H. Mogg, chemist and druggist, The Pharmacy, Northumberland Heath, Belvedere, Kent.

MR. W. H. DELVE, pharmacist, 310 Stretford Road, Manchester, has disposed of his branch shop at 180 Moss Lane East, Moss Side, to Mr. Whittingham, who was formerly with Messrs. Standring & Son.

MR. W. D. HALL, chemist and druggist, Skegness, has had a nice pharmacy fitted up for him at Golders Green, N.W., by Messrs. Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C., who have executed the wall fixtures and showcases in oak. Messrs. Josephs have also made the fittings for the pharmacy at 41 Frith Street, Soho, W.C., which Fortuna, Ltd., are opening. We referred some time ago to the all-glass counters and showcases which are a feature in American and Canadian pharmacies; Messrs. Josephs inform us that they have been making them for years, and they have used them in remodelling Mr. A. Lloyd Davies's pharmacy at 47 Chertsey Road, Woking.

LEGAL REPORTS.

TRADE LAW.

Mystin in Milk.—George Henry Williams, a Tooting dairyman, was fined 5*l.* and costs on November 7, under the Sale of Food and Drugs Acts, for selling milk containing formaldehyde and sodium nitrite in the form of mystin.

Almond Oil.—At Burnley on November 13, Jesse Tomlinson, trading as the Lancashire Drug Co. at 151A Accrington Road, was fined 10*s.* and 4*l.* costs, under Section 6 of the Food and Drugs Act, 1875, for selling almond oil which Mr. Ross, borough analyst, had certified to be apricot-kernel oil.

Lime-water.—At Leighton Buzzard Petty Sessions last week, Mr. Horace Munday, chemist, was fined 5*s.* and 17*s.* 6*d.* costs, under the Sale of Food and Drugs Act, 1895, for selling lime-water deficient in lime. For the defence it was stated that two stocks of lime-water were kept, one of medicinal strength and the other used in the manufacture of toilet requisites. The assistant had made a mistake by serving the inspector out of the wrong bottle.

Restrictive Agreements of Service.—The Court of Appeal (Lords Justices Vaughan Williams, Buckley, and Kennedy) on November 7 granted an appeal by the Provident Clothing and Supply Co., Ltd., against a decision of a Divisional Court, in which a decision by the Clerkenwell County Court was set aside upholding a covenant by a former employé of the appellants not to carry on business "within twenty-five miles of London aforesaid where the plaintiffs carry on business." It had been held by the Divisional Court that the restrictive area was too vague. Lord Justice Vaughan Williams, in giving judgment, said that but for the admission by the former employé that the business he is now engaged in is similar to that of the plaintiffs he should not have been disposed to have granted the injunction they sought.

Boric Acid in Cream.—The first convictions since the preservative regulations came into force on October 1 for the use of boric acid in cream occurred at Kensington last week, when one vendor was fined 5*l.*, and 5*l.* 5*s.* costs, for selling cream with which was mixed an ingredient so as to render the article injurious to health, the same being certified to contain 0.18 per cent. of boron trioxide, equivalent to 0.187 per cent. of boric acid, and to 22,309 grains of boric acid per pound. Action was taken under Section 3 of the Sale of Food and Drugs Act, 1875, and Mr. F. W. Beck, who defended, asked a case to be stated. This was granted. He had explained to the Magistrate that the High Court had ruled that cream containing 33 grains of boric acid is not injurious to health, and the Local Government Board has not thought fit to limit the amount present.

"Radio" Metal Polish.—On November 13 Mr. Justice Warrington, sitting in the High Court, heard a claim by Paul Rudolf Schaefer against Yewsabit (1911), Ltd., for specific performance of an agreement made on August 20 last between the parties for the re-sale by the defendants to the plaintiff of the undertaking and assets of "Radio" metal-polish now carried on by the defendants. His Lordship decided for the plaintiff, remarking that both the points raised by the defendants, (1) that the agreement only amounted to a mere offer without consideration, and (2) that the documents did not represent the real agreement between the parties, failed. He therefore made a declaration for specific performance of the agreement of August 12; and that on the plaintiff paying 100*l.* to defendants, the business, goodwill, etc., of "Radio" should be re-assigned to him, together with the movable assets in use therein on October 5. The defendants were ordered to pay the costs of the action, which would be set off against the 100*l.*

Rumsey's Powder.—At the Carnarvon County Court on November 6, Judge S. Moss heard evidence and argument in an action by Mrs. Susie Woosnam Breese, Colwyn Bay, against Mr. Lewis W. Wynn Lloyd, veterinary surgeon, Carnarvon, for the purpose of obtaining a declaration that the defendant was not entitled to manufacture, advertise, or sell a certain lice-powder, which she claimed to be her property, an injunction being also applied for, and the delivery of all books relating to the sale of the powder. On behalf of the plaintiff it was stated that the late Mr. Rumsey Williams, V.S., Carnarvon, had established a business in the powder made from a secret recipe, and on his death in 1910 Messrs. Davidson and Wynn, his partners, continued to make it, Mrs. Williams getting the profits until Mr. Davidson retired, when defendant agreed to purchase the powder and to pay Mrs. Williams an annuity of 25*l.*, but if the Royal College of Veterinary Surgeons objected to his advertising it, the agreement was to be determined.

The College had issued a warning circular. Defendant continued manufacturing the powder, however, and having refused to pay Mrs. Williams, she sued him, and he paid 12*l.* 10*s.* into Court, at the same time handing over the recipe with a declaration that it was her property. She sold it to the plaintiff for 60*l.* The defendant put a powder on the market, hence this action, and among the witnesses was Mr. H. E. Davies, F.I.C., Liverpool, who stated, as the result of analyses, that the constituents of the two powders were identical. This defendant denied, saying that his powder differed from plaintiff's in being darker and having a stronger smell. His Honour, referring to the packets of powder, pointed out that the labels were remarkably alike. Mr. William Woods (President of the Veterinary Association) said that the main elements in both powders were common to practically all lice-powders. His Honour reserved judgment.

Value of a Business Disputed.—At Tunbridge Wells County Court on November 7, before Judge Parry, Mrs. Hannah Reynolds sued Mr. Sam Smith, chemist and druggist, for 79*l.* alleged to be due on a promissory note in respect of the sale of a chemist's business at Tonbridge (Kent). There was a counterclaim for 350*l.* damages for alleged misrepresentation. Plaintiff said she was formerly Mrs. Abel, and her late husband had carried on a chemist's business at High Street, Tonbridge, since 1892. After his death in 1902 she continued the business, with the assistance of a qualified chemist. The average takings were over 900*l.* a year. In the early part of 1911 she was thinking of marrying again, and mentioned to a traveller that the business was for sale. Defendant called to see her with respect to the purchase of the business, and she showed him over the premises and produced the books for his inspection. The business was a high-class one, and in the best position in the town. She told defendant, in reply to a question by him, that she had not felt the effects of competition since Messrs. Boots opened a business in another part of High Street. She showed Mr. Smith the accounts, and he agreed to purchase the business as it stood for 800*l.*, and he paid her 500*l.* cash down and gave four promissory notes for the remainder. For some time after he took over the business defendant sent her sums which were paid for accounts due to her. He made no complaint to her on those occasions, but when a promissory note for 75*l.* became due he complained that the business was not what it had been represented to be. Plaintiff having been cross-examined, the defendant gave evidence, and said he went to the premises and saw Mrs. Reynolds, who told him that the business was a high-class one, that she had a number of "carriage" customers, and did the dispensing for Tonbridge School. She also said she had a very good stock, and witness examined the cash books, which showed takings of 900*l.* a year. After the purchase had been completed he stated to Mrs. Reynolds that the takings seemed to be low, and she explained it by saying the school had broken up, and the holiday season commenced, a large number of people being away from Tonbridge in consequence. Later on he complained to her that the stock was very low. In the first year he had to spend 450*l.* on stock, and if there had been a proper stock when he took over the business the sum would not have been so large. The stock was not worth more than 200*l.*, and in the first year the takings amounted to only 610*l.* Other witnesses for defendant were Mr. James Johnson, chemist, who had managed the business for a short time for Mr. Smith, and considered 500*l.* a fair value; and Mr. W. S. Fish, chemists' valuer, London, who estimated the goodwill value of a business doing a turnover of 900*l.* a year at 150*l.*; the fixtures were worth 50*l.*, and there should be a stock value of 450*l.* He would not describe the business as a high-class one.

Mr. Percy Wickenden, C.A., Tunbridge Wells, stated that he had examined the books in the last year of Mrs. Reynolds's ownership of the business and in the first year of defendant's. The turnover dropped by about 300*l.*—His Honour, in giving judgment, described the case as a serious one for Mr. Smith, as he apparently made a bad bargain, but it was equally important to Mrs. Reynolds, who was a respectable lady, and had carried on the business for some years. After reviewing the circumstances, he gave judgment for the plaintiff on the claim and counterclaim.

Pharmacy Acts.

BELLADONNA PLASTERS.

At Bolton County Court on November 13, C. E. Donnelly, drug-store proprietor, 239 Derby Street; H. Graham, manager, 63 Bury New Road; T. Stephenson, drug-store proprietor, 49 St. Helens Road; and Walter Weston, drug-store proprietor, 205 Lever Street, all of

Bolton, were each summoned at the instance of the Council of the Pharmaceutical Society of Great Britain under Section 15 of the 1868 Act, to recover the penalty of 5*l.* incurred through their illegally selling belladonna plasters. Mr. J. Walter Robson, solicitor, Manchester, appeared for the Society. The case against Mr. Donnelly was first taken. Mr. Robson explained that a belladonna plaster was purchased at the shop of each defendant on September 16, and pointed out that the schedule to the 1908 Act contains in Part 1 the following entry:

"Belladonna and all preparations or admixtures (except belladonna plaisters) containing 0.1 or more per cent. of belladonna alkaloids."

The conclusion of Part 2 states:

"All preparations or admixtures which are not included in Part 1 of this schedule and contain a poison within the meaning of the Pharmacy Acts," etc.

He submitted that the exception from the first part of the schedule does not extend to Part 2.

Mr. J. H. Hall, who defended, contended that the Part 1 terms specifically exclude belladonna plasters from the list of virulent poisons, and that they are not poisons within the meaning of the Acts.

Judge Bradbury asked if the penalty is a fixed amount, and the reply was that it is so. He believed that the defendants acted on what they thought to be a right construction of the statute. The question lay entirely upon the construction of the two parts of the schedule, and he must judge for the plaintiff. He could not minimise the amount, but would have done if he could, because he thought there had been a mistake. He gave judgment for 5*l.*, and costs on that scale.

Similar judgment was given in the other cases, the qualifying fee and attendance of the analyst to be equally divided between the four cases.

Medicine Stamp Acts.

"KNOWN, ADMITTED, AND APPROVED."

Before the Kingston County Bench on November 14, Mr. W. E. Clarke, chemist and druggist, Surbiton Hill, was summoned on five counts at the instance of the Board of Customs and Excise for selling diarrhoea mixture, fever mixture, worm syrup, salicylic corn solvent, and iodised sarsaparilla without affixing stamps as required by the Medicine Stamp Acts. Mr. C. Sintsan prosecuted, and Mr. Thomas Young, solicitor, Kingston, instructed by Mr. A. Higgs, J.P., conducted the defence. The first three summonses were taken together, and Mr. Sintsan outlined his case, drawing attention to the ailments names on the labels of the three articles—diarrhoea mixture, fever mixture, and worm syrup. An officer of the Inland Revenue gave evidence of purchase, and said the articles were openly displayed in defendant's shop. Mr. Young, for the defence, said that at the most a purely technical offence had been committed, and added that the summonses were taken out under an old Act of Parliament. He contended that the articles in question were exempt from medicine stamp duty as they were prepared from "known, admitted, and approved" formulas published in "Pharmaceutical Formulas." Defendant gave evidence concerning the points raised by his solicitors. The Magistrates decided to convict, and inflicted a fine of 10*s.* and 9*s.* 6*d.* costs on one summons, and 1*s.* each on the other two. The next summons was in regard to salicylic corn solvent, the label of which had in italics under the title the words "Pharmaceutical Formulas." For the defendant it was contended that the remedy was exempt from stamp duty because of the words "Pharmaceutical Formulas" on the label, which was a disclosure of the formula. After considerable argument the Bench dismissed the summons. Then followed the last summons, which was for selling compound iodised sarsaparilla. Defendant contended that the title was an adequate disclosure of the ingredients, but the Bench could not accept this view, and inflicted a fine of 1*s.*

Mr. Wellesley Douglas, Secretary of the London Chemists' Association, was in attendance to give evidence if required on behalf of the defendant.

BANKRUPTCY REPORTS.

Re Charles Ricketts Knapp, 82 Pendle Road, Streatham Park, late 77 The Broadway, Leigh-on-Sea, Essex, Chemist and Druggist.—The public examination of this debtor was held at Chelmsford on November 6, before Mr. Registrar Duffield, who ordered the case to stand adjourned. The statement of affairs showed liabilities amounting to 1,327*l.*, and a deficiency of 1,206*l.* The debtor attributed his failure to bad trade, bad seasons, and compulsory closing under the Shops Act.

Re Thomas Walker, Worcester, formerly carrying on the business of Kirk's Drug-stores at Newcastle-upon-Tyne. The public examination of this debtor took place at Worcester Bankruptcy Court on November 12. Particulars of the case were given in the *C. & D.*, November 9, index folio 706. Debtor now attributed his failure to heavy expenses and to his being "squeezed" by Boots and Taylor, who set up business near him. He now holds a situation at 45*s.* per week, with house. His wife claims the furniture, and the case was adjourned for this claim to be investigated.

Re George Arthur Hebblethwaite, 69 Church Street, Drypool, Hull, Chemist and Druggist.—The public examination of this debtor took place at the Hull Bankruptcy Court on November 11 on accounts showing liabilities 514*l.* 10*s.* 1*d.*, of which 118*l.* 17*s.* 6*d.* were expected to rank for dividend, and assets 45*l.* 8*s.*, leaving a deficiency of 73*l.* 9*s.* 6*d.* The debtor said he commenced business at 69 Church Street in June 1881, paying 120*l.* for the stock and fittings with money borrowed from his father, which he repaid. During the past five or six years his takings had dropped from an average of 8*l.* a week to 5*l.*, the cause being the opening of new streets and the removal of houses diverting the traffic to the back of his premises. He decreased his expenses, but had kept no balance-sheet. The fact of his insolvency was brought home to him by a writ being served on him in August 1912. He gave 500*l.* for the premises three or four years after buying the business. They were now worth only 388*l.* The examination was closed.

Re Robert William Tildesley, 2 Park View, Doncaster Road, Thrybergh, lately in business at 36 College Street and 129 Wellgate, Rotherham, Chemist and Druggist.—The statement of affairs shows liabilities 1,034*l.* 13*s.* 4*d.*, and a deficiency of 782*l.* 13*s.* 4*d.* Debtor gives the causes of his failure as having no capital, bad trade at College Street, the coal strike, and heavy expenses. It was only four months ago that he realised his insolvent condition, and debtor states he always looked upon the loans from his father and his father-in-law as liabilities which he would not be called upon to pay. He accordingly did not include them in his balance-sheets. Debtor is thirty-one years of age, and commenced business at Manchester in 1904, removing to Wellgate, Rotherham, in 1907. He sold the Manchester business by valuation for 480*l.*, and out of this sum paid all his trade liabilities, leaving a balance in hand of 30*l.* In March 1907, in addition to the trade liabilities outstanding, he had 600*l.* owing on loans, but he arranged that these should continue on his paying 5 per cent. interest per annum. He anticipated realising 800*l.* for the Manchester business, and in consequence of this incurred liabilities in starting business at Rotherham. In 1908, when he estimated his liabilities at 1,014*l.* and his assets at 348*l.*, he executed a deed of assignment, agreeing to pay a composition of 10*s.* in the pound, by four instalments of 2*s.* 6*d.* each, within a period of twelve months. His father guaranteed the payment. Debtor borrowed from his father 320*l.*, and from his father-in-law 125*l.*, to enable him to pay this composition, but none of this money has been repaid.

DEEDS OF ARRANGEMENT.

Pettman, Richard, 49 Northumberland Road, Margate, Chemist.—Trustee: J. W. Scarlett, 36 High Street, Ramsgate, C.A. Dated, November 7; filed, November 9. Secured creditors, 112*l.*; liabilities unsecured, 388*l.*; estimated net assets, 391*l.* The creditors include: Allen & Hanburys, Ltd. (10*l.*); Baiss Bros. & Stevenson, Ltd. (20*l.*); C. R. Harker, Staggs & Morgan, Ltd. (21*l.*); Willows, Francis, Butler & Thompson, Ltd. (11*l.*); Potter & Clarke, Ltd. (13*l.*); S. Maw, Son & Sons (10*l.*); H. C. Que'eh & Co. (10*l.*).

Webster, John William (deceased, by, etc.), late 91 Lee Street, Oldham, Chemist.—Trustee: W. Eaves, 15 Fountain Street, Manchester, C.A. Dated, November 5; filed, November 7. Liabilities unsecured, 402*l.*; estimated net assets, 211*l.* The creditors include: Breidenbach & Co. (3*l.*); Baiss Bros. & Stevenson, Ltd. (3*l.*); D. & W. Gibbs,

Ltd. (3*l.*); Potter & Clarke, Ltd. (3*l.*); Stephen Smith & Co. (13*l.*); J. Waterhouse & Co., Ltd., Ashton-under-Lyne (20*l.*); T. Kerfoot & Co., Bardsley (5*l.*); Vinolia Co., Ltd., Bebbington (4*l.*); Evans Sons Lescher & Webb, Ltd., Liverpool (14*l.*); J. Thompson, Ltd., Liverpool (42*l.*); Thompson & Capper, Liverpool (3*l.*); D. Corneille & Co., London (4*l.*); Jewsbury & Brown, Manchester (3*l.*); J. Woolley, Sons & Co., Ltd. (77*l.*); Erasmie Co., Ltd., Warrington (3*l.*); Bleasdale, Ltd., York (4*l.*); Raimes & Co., York (32*l.*); Bovril, Ltd. (3*l.*).

Wilson, Abel Ernest, 54 and 56 Chestergate, Stockport, and 16 Heaton Road, Heaton Norris, Chemist and Druggist.—Trustee: W. Bareman, 26 St. Petersgate, Stockport. Dated, October 30; filed, November 6. Secured creditors, 1,065*l.*; liabilities unsecured, 471*l.*; estimated net assets, 366*l.* Among the creditors are: T. F. Bristow, Ltd. (17*l.*); Allen & Hanburys, Ltd. (3*l.*); Bourne, Johnson & Latimer (7*l.*); Burge, Warren & Ridgley, Ltd. (4*l.*); J. Denoual & Co. (3*l.*); J. Grossmith, Son & Co. (10*l.*); Shirley Bros., Ltd. (4*l.*); J. Timpson & Co., Ltd. (3*l.*); Wright Layman & Umney, Ltd. (12*l.*); X.L. Rubber Co., Altrincham (6*l.*); Hanger, Watson & Harris, Ltd., Hull (27*l.*); Sissons Bros. & Co., Ltd., Hull (8*l.*); Hirst, Brooke & Hirst, Ltd., Leeds (53*l.*); Harrison & Waide, Leeds (3*l.*); Evans Sons Lescher & Webb, Ltd., Liverpool (27*l.*); J. F. Wilkinson, Manchester (5*l.*); J. Woolley, Sons & Co., Ltd., Manchester (32*l.*); Blyton, Astley & Co., Manchester (9*l.*); W. B. Cartwright, Ltd., Rawdon (22*l.*); J. M. Mills, Stockport (35*l.*); Erasmie Co., Ltd., Warrington (3*l.*).

LIMITED COMPANIES.

New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

JAMES KUDISH, LTD. (P.C.).—Capital 100*l.*, in 50*l.* shares. Objects: To employ qualified persons for carrying on the business of chemists and druggists, etc. The first subscribers and directors are J. Kudish, herbalist, and Mrs. F. Kudish. R.O., 115 Cannon Street Road, London, E.

LIGNOPLAST, LTD. (P.C.).—Capital 6,600*l.* Objects: To acquire from E. F. Harrison, 55 Chancery Lane, W.C., his rights in an invention relating to "Lignoplast," and to carry on the business of manufacturers of lignoplast, celluloid, vulcanite, ebonite, etc. The first directors are G. C. Devonshire and E. F. Harrison.

PURE AERATION SUPPLY (SCOTLAND), LTD. (P.C.).—Capital 5,000*l.*, in 1*l.* shares. Objects: To adopt agreement with Aerated, Ltd., London, and Read & Campbell, Ltd., London, to exploit and develop a new system of aerating waters or other liquids. The first directors are F. E. Cullum, J. H. Pettigrew, A. R. Stenhouse, and D. D. Binnie. R.O., 183 West George Street, Glasgow.

ARICE & CO., LTD. (P.C.).—Capital 13,635*l.* Objects: To take over (1) the business of a perfumery and soap manufacturer carried on by Arice Indjedjian as Arice & Co., and (2) the business of shoe-polish, eau de Cologne, ink, and gum manufacturers owned by La Fontaine & Brothers, Ltd. The first directors are J. A. Sykes, J. La Fontaine, and Arice Indjedjian. R.O., 8 Serjeants Inn, Fleet Street, London, E.C.

Company News.

LEVER BROS., LTD.—The issue by this company of 507,500 6 per cent. cumulative "C" 1*l.* preference shares at 1*s.* premium has been over-subscribed, and letters of allotment and regret have been posted.

H. O. DRUG CO., LTD.—To be voluntarily wound-up. Liquidator, Mr. G. S. Coakes, 78 Upper Tulse Hill, London, S.W. Meeting of creditors at offices of Mr. R. G. Salford, 20 John Street, Adelphi, London, W.C., on November 19 at 2.15 P.M.

CASTNER-KELLNER ALKALI, LTD.—The report for the year ended September 30 states that the net profit is, after allowing for the amount expended in keeping up the works, plant, and machinery to the highest state, 177,063*l.*, which, with 13,222*l.* brought forward, makes 190,285*l.* Debenture interest absorbed 8,682*l.*, and the interim dividend of 7½ per cent. paid May 29, 1912, 33,750*l.*, leaving an available balance of 147,853*l.* The directors now recommend 32,500*l.* to depreciation reserve, 47,500*l.* to the general reserve, and 56,250*l.* in payment of a final dividend of 12½ per cent., making (with the interim dividend paid in May) 20 per cent. for the year.

MARRIAGE.

BURROWS—GRAHAM.—At Ambleside, on November 6, Edward Burrows, Grange-over-Sands, to Isabella Mary, only daughter of the late Mr. Robert Graham, chemist and druggist, Langdaie, and of Mrs. Graham, Millans Park, Ambleside.

DEATHS.

BARNARD.—At Kew, Victoria, Australia, on September 21, Mr. Francis Barnard, Ph.C., aged ninety. Mr. Barnard was born in Norwich, England, and in 1837 was apprenticed to a chemist in Islington, London. After experience in Norfolk and at Westminster, he set up in business at Great Yarmouth in 1848. Four years afterwards, his business not being successful, he emigrated to Victoria, where his brother had preceded him, and opened a shop in Melbourne. He gave this up and filled a position as manager until, in 1857, he founded a business in Kew, which he carried on till 1902, when he retired in favour of his son. His hobbies were botany and microscopy.

BARRATT.—At Cape Town, South Africa, on October 22, Dorothy Violet, beloved daughter of Mr. Geo. F. Barratt, chemist and druggist, and Mrs. Barratt, 418 Brixton Road, London, S.W., aged twenty.

FARTHING.—At 14 South Parade, Whitley Bay, on October 26, Mr. William Farthing, chemist and druggist, aged sixty-eight. Mr. Farthing was formerly in business in High Street, Spennymoor. He was one of the first members of the Spennymoor Urban District Council. He was also a Freemason, having been a founder of the Whitworth Lodge, Spennymoor, and a P.P.G.J.D. of Durham. Mr. Farthing went to reside at Whitley Bay about eleven years ago. He was twice married, and leaves a widow and grown-up family.

HINCKS.—At his residence in Watergate Street, Chester, on November 11, Mr. John Wright Hincks, chemist and druggist, aged seventy-three. Mr. Hincks, who succeeded to his father's business at 61 Northgate Street, Chester, many years ago, himself retired in 1897. He was associated with the Chester Volunteer Fire Brigade for over twenty years, and became chief officer, retiring with the rank of honorary captain. He leaves a widow and two sons.

JONES.—It rarely happens that we are called upon to record in one notice the death of husband and wife, as we now do with regret the death of Mr. Robert Jones,



MR. AND MRS. JONES.

Ph.C., Cavan, which took place on November 6, and of his wife, who died on November 4. Mr. Jones was at business until the Saturday night, and on Sunday both he and his wife were taken ill. The latter had a cut finger from which blood poisoning supervened and caused death. Mr. Jones was fifty-three years of age, and was a native of Bailieborough. He passed the Licence examination in October 1881, then started business at Cavan, and became one of the leading pharmacists in the county. He was highly respected and was extremely sociable, as was also Mrs. Jones, who was a Co. Cavan lady. Mrs. Jones was buried at Kilmore Cemetery on November 6 and Mr. Jones on the following day. They are survived by three daughters, one of whom is married.

LIVINGSTONE.—At Stirling, on November 7, Mr. John Livingstone, chemist and druggist, 58 Baker Street, aged

seventy. Mr. Livingstone was a native of Stirling, and after serving his apprenticeship with Mr. Haldane, chemist, there, went to Edinburgh as an assistant, and passed the Modified examination there in October 1869. Returning to Stirling, he took over Mr. Haldane's business, which he carried on for forty years. He was a Freemason, and on completing twenty-one years as treasurer of his lodge, he was presented with a gold watch and chain by the brethren. He was a bachelor, and lived with his sister.

MALLET.—Recently, Dr. John William Mallet, F.R.S., since 1908 Emeritus Professor of Chemistry at the University of Virginia, Charlottesville, Va., U.S.A., aged eighty. Dr. Mallet, who was a native of Dublin, was educated there and at Göttingen. He went to the United States in 1853, and became Professor of Chemistry in the Medical Department of Louisiana University in 1865. Dr. Mallet served in the American Civil War. He was a member of both the American and the English Chemical Societies.

SPURGE.—A cable received at Witham announces the death by accident at Niagara Falls of Mr. Edward Charles Spurge, B.Sc., F.I.C., pharmaceutical chemist, of University Club, Niagara Falls, N.Y., U.S.A. Mr. Spurge, who was a native of Witham, studied at the School of Pharmacy, Bloomsbury Square, London, W.C., taking the Pharmaceutical Society's silver medal in 1896. He passed the Minor and Major the same year. He afterwards became a graduate in science of the University of London, and became a Fellow of the Institute of Chemistry in 1905. Mr. Spurge before proceeding to America, where he was managing director to a Niagara Falls firm, had taken out several patents and written several books on chemistry.

WELCH.—At 39 Kingston, Yeovil, on November 7, Mr. William Welch, chemist and druggist, aged eighty-five. Mr. Welch was in business in High Street, Yeovil, for a long period.

WOODLIFFE.—At Hamilton Terrace, London Road, Charlton Kings, on November 6, Mr. Henry Grayson Woodliffe, chemist and druggist, aged forty-two. He was at one time connected with the Royal Army Medical Corps. Mr. Woodliffe had been in business at Gloucester before going to Charlton Kings five years ago. He was a member of the Parish Council.

WILLS PROVEN.

MR. WILLIAM JONES, Stuart Road, Waterloo, near Liverpool, chemist, who died on October 14, left estate of the gross value of 523/. 3s. 1d., of which 498/. 16s. 11d. is net personality.

MR. THOMAS BURTON DAVIES, The Moorings, Dacre Hill, Old Chester Road, Rock Ferry, Birkenhead, retired chemist and druggist, who died on August 25, aged sixty-eight, left estate of the gross value of 4,682/. 14s., of which 4,339/. 18s. 8d. is net personality.

MR. NICHOLAS JOHN FLEMING LE DAIN, Penn's Pharmacy, Erdington, Birmingham, chemist and druggist, of Sutton Coldfield, who died on August 6, intestate and a bachelor without father, aged thirty-five, left estate valued at 2,478/. 16s. 1d. gross, of which 1,740/. 13s. 4d. is net personality. Letters of administration of his property have been granted to his brother, Mr. Alfred Fleming Le Dain, 31 Holifast Road, Erdington, student of chemistry.

SIR ROBERT PULLAR, LL.D., Tayside, Perth, head of Messrs. J. Pullar & Sons, Ltd., dyers and cleaners, of Perth, who died on September 9, left, in addition to considerable real estate, personal estate of the total value of 519,675/., of which the personal estate in the United Kingdom amounts to 488,959/. Probate of his deed of trust disposition and settlement has been granted to his sons, Mr. Rufus Daniel Pullar and Mr. Albert Evans Pullar, dyers, and Mr. James Morison, accountant, of Perth.

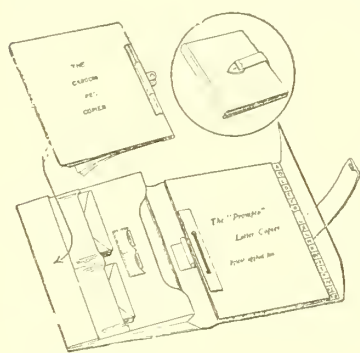
MR. WILLIAM WOODWARD, 67 Avenue Road, Regent's Park, London, N.W., of Messrs. W. Woodward, Ltd., patent-medicine manufacturers, Chaucer Street, Nottingham, who died on September 1, aged eighty-four, left estate of the gross value of 109,807/. 8s. 4d., of which the net personality has been sworn at 104,991/. 3s. Probate of his will, dated

May 20 last, has been granted to his son, Mr. William Harrison Woodward, Crooksbury Hurst, Farnham, Surrey, and Mr. Henry Russell, bank manager, Nottingham, to the latter of whom the testator left 100% for the executorship. He left 1,000% each to his son-in-law Thomas Ernest Saunt, his nephew Thomas Alexander Lacey, and his grandson William Henry Gatty Saunt (who is already otherwise well provided for); 7,000% upon trust for each of his granddaughters Dorothy Anne Saunt and Gladys Violet Woodward Saunt, and their respective issue; 1,500% upon trust for his niece Mary Rebecca Lacey; 100% to his sister Susan Elizabeth Lacey; and to his said sister a life interest in a trust fund of 2,000%, with remainder as she may appoint. He left 100% to his executors to distribute as they in their discretion may think fit among William Simpson, William F. Wilson and William Straw, employees of W. Woodward, Ltd., of Nottingham; one year's wages to each female domestic servant of twelve months' service, and in his service at his decease; six months' wages to each other domestic servant of less than twelve months' service. He also left 50% to his sister Sarah Bull, and the residue of his property to his son William Harrison Woodward.

TRADE NOTES.

"RED ANCHOR" ESSENTIAL OILS.—Messrs. Herbert Hymans & Co., St. Dunstan's Buildings, London, E.C., have been appointed sole agents for the United Kingdom and Colonies for the proprietors of the "Red Anchor" brand of lemon, orange, and bergamot oils. The oils are well known for purity and flavour, and the manufacturers issue a guarantee on each package giving the buyer the right to send a sample to Mr. E. J. Parry for analysis at the makers' expense. Messrs. Hymans & Co. have engaged Mr. J. H. Eldridge, late of Messina, who was until the earthquake export manager to Santi di Pasquale & Figli, the firm being, it may be remembered, swept out of existence by that calamity. Mr. Eldridge will have the management of this special department, including lemon-juice, peels, and other Sicilian produce.

THE "PROMPTO" LETTER COPIER AND FILE is designed for travellers or others who have no need for the elaborate



arrangements installed in offices. It consists of (1) a stationery wallet, with pockets for paper, envelopes, stamps, and (2) the copier, which is a carbon-paper pad with sheet of aluminium, (3) the letter file, an ABC arrangement of Manilla paper, into which letters received and copies of replies to them

are placed as soon as done with. The copier takes quarto sheets of writing-paper, with buff paper for the filing copy. Using an ordinary pen, we find that an excellent carbon copy of the writing is obtained without increasing ordinary pressure used in writing. The "Prompto" is produced in three styles, one to retail at 7s. 6d. is in morocco and other leathers, and a natural colour hide leather case is made which retails at 35s. Some chemists stock them for Christmas trade. They are patented and manufactured by Third Hand Patents, Ltd., 361 City Road, London, E.C.

LIGHT.—Now that the long nights of winter are with us and the Christmas season, with its shopping, is near at hand, shop lighting is a subject for serious consideration both as regards cost and efficiency. A well-lighted shop is usually well supplied with customers, for light gives a sense of warmth and welcome that is difficult to resist and advertises the fact that the retailer invites examination of his goods. Those of our readers who know the advantages of electric lighting, but have not yet tried the

metallic filament lamp, will have been struck by the announcements regarding Osram lamps which are now appearing in the *C. & D.* Some filament lamps earned an evil reputation in their infancy on account of their extreme fragility, but the advent of the Osram wire filament brought into use a lamp which is practically as strong as the old carbon lamp, which type it beats all round by reason of the wonderful way in which it retains a beautiful white light, and by the great saving effected on the lighting bills. As regards this last item, although initially Osram lamps cost about double what carbon lamps do, very soon they pay for themselves and begin to cut down the account, for where the carbon lamp consumes from 3 to 4 watts per candle-power, the Osram takes only 1 to 1.2 watt—that is to say, we obtain about 60 c.p. from the Osram lamp for the same money as we get 16 c.p. from the carbon lamp—and where the carbon lamp costs 4d. for current the Osram lamp costs less than 1½d., giving moreover, a pleasing white light in place of the yellow that is so trying to the eyes. To the chemist who makes his own current this means that with Osrams of the same c.p. he can burn the equivalent of more than three times the number of carbon lamps that he is now using without in any way overtaxing his plant, and can use a 50-60 c.p. Osram lamp in place of the old 16 c.p. carbon without altering his wiring. Osrams have come to stay; they are obtainable for use with all the usual voltages in a large variety of powers and shapes, and in combination with the new Holophane glass reflectors give the acme of scientific and efficient illumination. Lists and particulars can be obtained from the manufacturers, the General Electric Co., Ltd., 67 Queen Victoria Street, London, E.C.

"VIGORAL CUBES," the package of which is illustrated in this note, are quite in season now, and the makers, Messrs. Armour & Co., Ltd., Atlantic House, Holborn Viaduct, London, E.C., are engaged in an extensive advertising campaign, in the leading daily papers especially, which should bring many customers into chemists' shops, for "all leading chemists" are advertised as selling them. The cubes are most daintily put up, six in a gilt tin to retail at 6d. (minimum 5½d.) cost 4s. per dozen tins, and twelve in a 1s. tin (minimum 10½d.) cost 7s. 6d. per dozen, in both cases subject to liberal discounts for six- and twelve-dozen lots. There are larger tins also. The get-up is excellent, and the flavour and nutrition of the cubes in keeping with it, a single cube in a cupful of boiling water making tasty beef-tea. The company's advertising expert has designed a number of forcible Vigoral advertisements, every one illustrated, pithy in wording, containing a representation of the box, and showing at a glance how to make the beef-tea. These should "sell the goods," and all that chemists should do is to "have the goods" and deliver when wanted. Messrs. Armour & Co. have a handsome crystal display-jar holding 200 cubes, which they supply at 10s. 6d. net (the contents retail at 16s. 8d.). They have sold several thousands of them, and will be glad to hear from any chemist who has not had one.



A FRUIT-SALT ADVERTISEMENT.—In the advertisements of Eno's Fruit Salt use is made of the following verse:

"Know'st thou *Yesterday*, its aim and reason?
Work'st thou well *To-day*, for worthy things?
Then calmly wait the *Morrow's* hidden season,
And fear not thou, what hap soe'er it brings!"

According to "The Athenæum," Carlyle has usually been credited with the authorship of these lines, whereas they are but a translation of lines by Goethe which occur underneath a lithograph of Goethe's portrait by Bendixen, a copy of which hung in the drawing-room of Carlyle's house at Craigenputtock.

PHARMACEUTICAL SOCIETY OF IRELAND.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on Wednesday, November 6. There were present Messrs. G. D. Beggs, J.P. (Treasurer), Thomas Batt, Richard Blair, J. H. Bowden, J. Burnett, J. E. Connor, J.P., Wm. Doig, Dr. C. J. B. Dunlop, Wm. J. Hardy, Wm. Jamison, Thomas N. Moffitt, John Smith, J. A. Walsh, and W. F. Wells.

THE REGISTRAR reported that neither Sir W. J. Baxter nor Mr. D. M. Watson, the retiring President and Vice-President, would be present. Mr. Beggs was accordingly voted to the chair. A letter was then read from Sir William Baxter to Mr. Watson, regretting his inability to be present, and saying that he would be unable on account of his health to resume the presidency, "to which," he added, "you are so well entitled and so well qualified to fill." A letter was also received from Mr. Watson.

RESIGNING HIS SEAT ON THE COUNCIL.

MR. BLAIR proposed that they ask Mr. Watson to reconsider his resignation. This Mr. HARDY seconded. He thought it would be a distinct loss to the Society if Mr. Watson did not accept the office of President this year.

MR. JAMISON and MR. CONNOR supported the motion, the latter saying that in Mr. Watson they would have an ideal President.

THE CHAIRMAN said he was sure that it was the unanimous wish that Mr. Watson should be approached. He hoped that Mr. Watson would fall in with the views of the deputation. He was almost certain he would.

After brief remarks by Dr. WALSH and Mr. SMITH the motion was passed, and a deputation consisting of Dr. Walsh, Messrs. Beggs, Smith, Hardy, and Blair was appointed to wait on Mr. Watson. It was decided to postpone the election of President and Vice-President.

ELECTIONS.

On the motion of Mr. WELLS, seconded by Mr. BOWDEN, Mr. George D. Beggs, J.P., was re-elected Hon. Treasurer. Mr. Beggs having acknowledged the appointment.

On the motion of Dr. WALSH, seconded by Mr. SMITH, Messrs. Thomas Batt and J. H. Bowden were unanimously re-elected auditors. The following committees were also appointed:

LAW.—Messrs. Thomas Batt, Geo. D. Beggs, Richard Blair, Chas. J. B. Dunlop, Wm. J. Hardy, Jas. Michie, Thos. N. Moffitt, John Smith, Jas. Tate, Jas. A. Walsh, and Wm. F. Wells.

INSPECTION OF CANDIDATES' CERTIFICATES.—Messrs. Batt, Beggs, Smith, Walsh, and Wells.

HOUSE AND GENERAL PURPOSES.—Messrs. Batt, Beggs, Bowden, Dunlop, Hardy, Michie, Smith, Walsh, and Burnett.

SCHOOL.—Messrs. Beggs, Bowden, Hardy, Michie, Moffitt, Smith, Tate, Walsh, and Burnett.

DECLARATIONS, etc., of Candidates for Examination and Registration as Registered Druggists.—Messrs. Batt, Doig, Jamison, Smith, and Wells.

CORRESPONDENCE.

THE REGISTRAR read a communication from Mr. and Mrs. George D. Beggs and family returning their sincere thanks for the kind expression of sympathy conveyed to them in their recent sad bereavement.

A letter was also read from the Clerk of the Council, Dublin Castle, transmitting a copy of the report of Sir John W. Moore, M.D., as Visitor of the Pharmaceutical Society of Ireland for the year 1912, and requesting that his Excellency the Lord Lieutenant might be furnished with the observations of the Council thereon. The matter was referred to the Law Committee.

PRELIMINARY REGISTRATION.

Miss Teresa Young and Mr. Joseph McCarrick submitted certificates from other bodies, and were admitted to Preliminary registration.

DEATH CERTIFICATE.

The Registrar submitted a certificate of the death of Mr. Robert George Stevenson, R.D., who died at Belfast on October 4. Later in the proceedings the deaths of Mr. Campbell Blakely Abernethy, R.D., Mr. James White-side Henderson, R.D., and Mr. John Mortimer, R.D., were notified.

CHANGES OF ADDRESS.

Communications were received from the following notifying changes of address:

C. J. Farren, Ph.C., to c/o Sligo Drug Co., Ltd., Stephen Street, Sligo.

David S. Jardin, Ph.C., Royal College of Science for Ireland, Dublin.

Wm. Kelly, Ph.C., from 6 Barton Street, Belfast, to 6 Church Street, Buncrana, co. Donegal.

Abraham Porter, Ph.C., to Rathmore, Cregagh Road, Belfast.

Michael Ryan, Ph.C., to 4 Winthrop Street, Belfast.

Joseph Wellwood, Ph.C., to Mount Lodge, Lutton P.O., Ballybay.

Thos. White, Ph.C., from 3 Westbourne Place to 13 Middleton Park, Queenstown, co. Cork.

John James McClean, R.D., to Ballyclare, co. Antrim.

TECHNICAL SCHOOLS' COURSES.

The Committee of the Central Technical Institute, Waterford, applied for recognition of the course in theoretical chemistry conducted in this Institute.

MR. WELLS said they had not yet received the report of the School Committee as to what should be done with reference to these schools.

MR. SMITH said no time should be lost, because it was the commencement of the Winter Session. If they were prepared to recognise the theoretical courses in these technical schools, he thought they should lay it down that there should be at least two sessions—the elementary theoretical and the advanced courses. The committee should get to work straight away. It was a pity if they could not get them in this year. If that were possible they could make it retrospective.

DR. WALSH having also spoken sympathetically, the application was referred to the School Committee.

CANDIDATES FOR THE COUNCIL.

MR. WELLS moved in accordance with notice of motion:

"That annual meetings and election of the Council Regulation IX. (*vide* "Calendar, 1912," p. 80) be rescinded, and the following substituted therefor:

IX.—All new Candidates for a seat on the Council shall be proposed and seconded by Members of the Society or Associate Druggists; the nomination paper, with an intimation in writing from the Candidate that he will serve if elected, to be lodged with the Registrar not later than twelve o'clock noon on the Monday fortnight before the Annual Meeting."

MR. WELLS said that last year they had had some unpleasantness there through a gentleman sending his nomination paper considerably after that time. Some years ago they had the same trouble, and it was then laid down by their solicitor that they ought to make twelve o'clock noon on the Monday fortnight before the meeting the latest time for receiving nomination papers. They had been acting on that ever since. What he (Mr. Wells) had in view now was to make that perfectly clear to everybody.

MR. SMITH seconded the resolution, which was adopted unanimously.

The University of Birmingham was thanked for a copy of "Calendar, 1912-13."

Reports were received from the following and adopted: The Examiners on the Preliminary, Registered Druggist, Pharmaceutical Licence, and Pharmaceutical Assistant examinations; the Law Committee; the House Committee; and the School Committee.

MEMBERSHIP.

Mr. David Rea, Ph.C., Rosemary Street, Roscrea, and Mr. William Edward Rutledge, Ph.C., 363 Ormeau Road, Belfast, were elected members of the Society.

The following were nominated for membership:

David C. Glenn, Ph.C., Greystones.

James McCormack, Ph.C., Wexford.

Denis J. Nugent, Ph.C., Tercnure, Dublin.
 Peter P. Waldron, Ph.C., Ballyhaunis.
 J. A. Woodside, Ph.C., Church Street, Ballymena.

EXAMINATIONS.

The Pharmaceutical licences of Thomas K. Beattie, William Cummins, Benjamin Logan, H. J. Manley, Thomas Mitchell, John Murphy, T. P. Toher, and Joseph Wellwood were ordered to be sealed.

Mr. J. Armstedt Ray, B.A., M.P.S.I., was re-elected an examiner to conduct the Preliminary examination.

Dr. James S. Ashe, M.P.S.I., was re-elected an examiner to conduct the Materia Medica and Botany Division of the Pharmaceutical Licence examination.

Mr. Victor E. Hanna, M.P.S.I., was re-elected an examiner to conduct the Pharmaceutical Assistant examination.

Mr. James Dundee, M.P.S.I., was re-elected an examiner to conduct the Registered Druggist examination.

THE ANNUAL MEETING.

Mr. MOFFITT asked whether it would be feasible to hold the annual meeting of the Society once in every four years in Cork, Galway, Dublin, and Belfast. The attendance at the last annual meeting consisted of the Vice-President, five members of the Council, and seven members of the Society, a total of thirteen. If the annual meeting were held in the four cities he had named it would give members and associates and licentiates in the different localities an opportunity of attending; it would induce them to take a greater interest in the affairs of the Society, and tend to the introduction of new blood. A debate might also take place on the Presidential Address; and if there should be any adverse or acid criticism on the management of the affairs of the Society, it could afterwards be neutralised at an annual dinner. ("Hear, hear," and laughter.) There was a feeling abroad that such an arrangement would benefit the Society. He asked, Was it feasible? If it was it could come up on a notice of motion afterwards.

Mr. WELLS quoted from the Pharmacy Act (Ireland), 1875, Section 14, as follows:

"The Council of the said Pharmaceutical Society shall hold their first meeting within six months after the passing of this Act at such place in the City of Dublin, at such hour, and on such day as the Chief Secretary to the Lord Lieutenant may respectively order and appoint, and they may adjourn such meeting from time to time as shall seem fit."

He said the Act also stated that the meeting was to be held at 7.30. There was a difficulty about making up the year's accounts. If the first Monday happened to be the 3rd of the month there was only from the previous Friday night to the Monday night to have the accounts made up and audited; and they had been considering at the Council whether they could not hold the annual meeting a fortnight later. The Act of Parliament itself distinctly stated that the meeting was to be held on that particular Monday at that particular hour.

Mr. MOFFITT: That could not be altered except by Act of Parliament?

Mr. WELLS: No.

The REGISTRAR said the voting papers were to be received by the Registrar up to eleven o'clock on the morning of the meeting and to be scrutinised at twelve o'clock.

Mr. MOFFITT suggested that THE CHEMIST AND DRUGGIST should open its columns to receive the opinions of licentiates throughout the country as to whether they would approve of holding the annual meetings in Cork, Galway, Dublin, and Belfast.

Mr. CONNOR: It would bring pharmacists more into connection with one another.

This was all the public business.

BATH AND WEST OF ENGLAND COLLEGE OF PHARMACY.—The annual supper and smoker will be held on November 28. Old students desirous of being present should communicate with the Secretary.

ROYAL INSTITUTION.—Professor Sir James Dewar is to deliver the Christmas course of Juvenile Lectures as follows: Alchemy, Saturday, December 23; Atoms, December 31; Light, January 2, 1913; Clouds, January 4; Meteorites, January 7; and Frozen Worlds, January 9. At 3 P.M. each day.

WESTMINSTER WISDOM.

The Week in Parliament.

THE DEFEAT OF THE GOVERNMENT.

The Government time-table of business has been somewhat rudely interfered with in consequence of the defeat in the House of Commons on Monday evening on the amendment of Sir F. Banbury to the financial resolution on the Home Rule Bill. Among the Liberal stalwarts who were in their places when the division was taken were Mr. W. S. Glyn-Jones, Dr. Addison, and Dr. Chapple, and, among the Nationalists, Dr. Esmonde.

UNDESIRABLE ADVERTISEMENTS.

Among the recommendations put forward by the Joint Committee of both Houses of Parliament on the Ancient Monuments Consolidation and Amendment Bill is one to the effect that county and district councils and the councils of county boroughs and municipalities shall have power to regulate the display of advertisements outside or upon public buildings, erections, or ancient monuments.

THE HOUSE-FLY NUISANCE.

Mr. Burns announced on November 13 that a further summary of researches into the life-history of the house-fly would appear in the forthcoming report of the Chief Medical Officer of his Department. 655*l.* had been spent on these inquiries in the course of five years, and the question of including the cultivation of the parasitical fungus—*Empusa musca*—for the destruction of house-flies is receiving attention.

THE CELLULOID COMMITTEE.

A preliminary meeting of the Earl of Plymouth's Departmental Committee which has been appointed to consider the precautions necessary to be taken in connection with the storage, handling, and use of celluloid articles was held at the Home Office on November 14, when arrangements were made for future sittings. In this connection it may be added that the Corporation of the City of London are taking steps for the promotion of a Bill in Parliament dealing with the same question.

LABORATORIES FOR THE INSURED.

Lord Charles Beresford having asked whether, in view of the present importance of bacteriological research, and of the fact that an increasing number of diseases depend for their diagnosis and successful treatment upon vaccines, serums, and reactions based upon bacteriological methods, his Majesty's Government intend to provide in populous centres laboratories for the service of insured persons, Mr. Masterman has stated that it is not the present intention of the Government to take the course suggested.

CHILD LABOUR IN SHOPS.

Mr. Masterman stated on November 13, in reply to Mr. Vincent Kennedy, that he is not aware of a growing demand for labour of school children, especially in the poorer districts of London, consequent upon the National Insurance Act. Under the Employment of Children Act, 1903, local authorities have wide powers of restricting the employment of school children out of school hours. The L.C.C. have under these powers issued stringent by-laws, and would doubtless be glad to be informed of any cases of infringement.

NATIONAL HEALTH INSURANCE.

Mr. Bridgeman, having been under the impression that diagnosis of blood, sputa, etc., would be covered by the allowance for drugs, was informed by Mr. Masterman in the House of Commons on Monday that it is not so; it will go under the head of medical treatment. It is not possible to state in advance what particular methods will be employed by different practitioners. Practitioners on the panel will not be required themselves to undertake work demanding skill and experience beyond that which the ordinary general practitioner can properly be expected to possess.

FERTILISERS AND THEIR INGREDIENTS.

Replying in the House of Commons on Tuesday to Mr. French, the President of the Board of Agriculture stated

that he is aware that all the Australian Parliaments have Acts providing, *inter alia*, that every vendor of fertilisers must, within a stated period, forward to the Secretary of Agriculture samples of the fertilisers on sale by him, together with the distinctive name of the brands and the price at which he intends to sell during the year, and the percentage of nitrogen, phosphoric acid, and potash contained therein; but he does not propose to introduce fresh legislation on the subject of the sale of fertilisers at present.

GOVERNMENT DRUGS IN WEST AFRICA.

In reply to Mr. MacCallum Scott on November 13, Mr. Harcourt (Colonial Secretary) stated that the number of Government medical officers in British West African dependencies who are allowed private practice is 189 (including eight non-Europeans). In Sierra Leone, the Gold Coast, and Southern Nigeria they are allowed to use in their private practice drugs from the Government Stores on payment. The rates charged are calculated at an amount varying from 25 to 35 per cent. over cost price, and there is no reason to suppose that the system gives the Government officers any advantage over private practitioners. He would consider the question as to whether private doctors should be allowed to use Government drugs.

SHOPS ACT (1912) AMENDMENT BILL.

This Bill is backed by Sir William Bull, Mr. Walter Long, Sir Henry Dalziel, Mr. John Henderson, and Mr. Newton. It has been passed through Standing Committee A of the House of Commons with amendments. It provides that Section 1 of the 1912 Act shall not apply to shop assistants employed in the sale of refreshments or intoxicating liquors for consumption on the premises, if the occupier and the majority of the assistants employed on the premises agree, the following being substituted for Section 1 provisions:

- (1) Not more than sixty-five hours a week, exclusive of meal-times.
- (2) One day's rest in seven—*i.e.*, forty whole holidays on a work-day (two half-days to equal one whole day), and twenty-six holidays on Sunday.
- (3) Intervals for meals every six hours.

The Bill gives specific details about these provisions. It does not extend to Ireland.

GAS RESIDUALS.

The Joint Committee of Lords and Commons appointed in relation to the manufacture of residual products by gas authorities held its first meeting at the House of Lords on Tuesday, November 12. The Committee consists of the Earl of Craven, Lord Brayne, Lord Howard de Walden, Lord Plunkett, Lord Inchcape, Mr. Hills, Mr. Lardner, Mr. Walter Rea, Mr. Samuel Roberts, and Mr. George Thorne. Mr. Hills was appointed Chairman after the Committee had deliberated in private. He subsequently announced, on the admission of counsel and the public, that Mr. Thorne is Vice-President of the Association of Municipal Corporations, one of the parties which sought to be heard by counsel. Mr. Thorne, he understood, occupies that office in respect of his association with Wolverhampton, of which he is Mayor. Wolverhampton is not a borough which manufactures gas municipally, and he (the Chairman) took it that there was no objection to Mr. Thorne sitting on the Committee.

Mr. Fitzgerald, K.C., who appeared with Mr. Honoratus Lloyd, K.C., on behalf of the Alkali Manufacturers' Association, said he had not consulted his clients, but he was certain they would not wish to raise any objection.

The Chairman further intimated that the Committee would hear counsel on behalf of the Association of Municipal Corporations, the Alkali Manufacturers' Association, and the Gas Companies' Association. The procedure would be on lines similar to those of a private Bill.

After some discussion between counsel (Mr. Balfour Browne, K.C., represented the Gas Companies' Association) and the Chairman as to the next meeting,

The proceedings were adjourned until Tuesday, Novem-

ber 26, when also Municipal Corporations' representatives are to meet.

Our Parliamentary correspondent is informed that the first witnesses to be examined by the Committee will be representatives of the gas companies and of the chemical manufacturers. After that the Municipal Corporations will be invited to give their testimony. We may add that a joint private meeting of the Association of Tar Distillers and the Chemical Section of the London Chamber of Commerce was held in the offices of the latter on Tuesday afternoon, November 12, to consider what action is necessary in order to present the views of the firms interested to the Committee. Mr. John C. Umney presided. Previous resolutions were reaffirmed, while a sub-committee was appointed to arrange the evidence.

National Health Insurance.

THE MEDICAL ATTITUDE.

The new terms offered to medical practitioners under the National Insurance Act are to be discussed at a meeting of the Representative Body of the British Medical Association on November 19. In the meantime the reports which come from the branch meetings of the Association are not encouraging to those who hoped that the implacable attitude had been overcome by the new terms. The Hampstead branch is reported to have resolved that to accept the terms would be "to undertake an inefficient service to sell the freedom and to degrade the status of the profession." The Chairman of the Birmingham branch has issued a statement in which he states that the "so-called increase of 2s. 6d. is a bogus one, and the recent offer is really worse than the original one." Quite a number of opinions to the same effect from other branches throughout the country are printed in the daily Press. There are, however, a few instances of provisional acceptance of the new terms.

COMMITTEE MEMBERS SUPPLYING DRUGS.

In connection with the question which has arisen in the Aberdeenshire Insurance Committee respecting the name of Mr. A. Milne, chemist, Maud, a member of the Committee, being put on the dispensing panel, we are indebted to a pharmacist in England who is on the Insurance Committee of his county for the following copy of a reply to a letter which he addressed to the National Health Insurance Commission (England) on the same subject:

"In reply to your letter . . . I am directed by the National Health Insurance Commissioners (England) to say that they are not aware of any provision in the National Insurance Act, 1911, which would debar a person supplying drugs, etc., under an arrangement made by an Insurance Committee (in accordance with the regulations of the Insurance Commissioners) from being eligible to act as a member of the Insurance Committee. Similarly a medical practitioner, whose name is on the list of medical practitioners who treat insured persons, would not, on that account, be debarred from acting on an Insurance Committee."

"KEEP A COOL HEAD."

The phrase in this connection is something like "Wait and See," attributed politically to Mr. Asquith, but really put in the mouth of the late "H. C. B." by a writer in "The Outlook" several years ago. "Keep a cool head and try to find out what our position will be next January," said Mr. B. Francis, of Wrexham, in a recent address to Welsh pharmacists, a copy of which he has favoured us with. We quote a most pertinent passage from this:

Assuming that the chemist in a Welsh town is paid according to a tariff, and the 2s. maximum which is the only figure I can seriously entertain, the chemist will receive 75% per annum. You ask, "What about the bottle?" Surely there is only one way—*viz.*, to charge 1d. for the bottle if the person does not bring a suitable container, and, if necessary, refund 1d. to that insured person when the bottle is returned. To take 1d. for the bottle out of Medical Benefit would swallow up 3,300% per annum for bottles in Wales and Monmouth alone. "What if the chemist's bill should amount to 2s. 3d. per insured person?" If that be so, pharmacists

will be able, at the end of twelve months, to prove from experience that the pharmaceutical portion of the Act is being worked at an unremunerative rate, and, by clearly stating their case to the local Insurance Committees, and through them to the Commissioners, who will have the power to suggest an increased Treasury grant fund for providing the money, obtain redress.

DRUG SUPPLY.

The "British Medical Journal" publishes a memorandum of the General Medical Council regarding the effects of the National Insurance Act on medical education and examination in relation to the efficient practice of medicine, surgery, and midwifery. The memorandum, which was issued by the National Insurance Act Committee, and is dated September 19, was based on an early proof of the draft regulations for medical benefit. In regard to what is now paragraph 33 (1), "Prices of drugs and appliances," the memorandum states:

The Medical Acts (1858) and (1862) confer on the General Medical Council the right of preparing and issuing the *British Pharmacopœia*, which contains the only officially authorised "list of medicines and compounds, and the manner of preparing them." The Committee strongly deprecate the proposal that a "pharmacopœia to be provided by the Commissioners," other than the *British Pharmacopœia*, should by Regulation be prescribed for the use of Committees in preparing the "list of the drugs which may be ordinarily supplied to insured persons." It is submitted that a "Schedule" of such drugs, corresponding to the "Schedule of Medical and Surgical Appliances" appended to the Regulations, should be substituted for the "pharmacopœia" mentioned in the text of this paragraph. Moreover, the Commissioners' "Schedule" of drugs should not include (as in a proof list communicated to the Committee) prescriptions for unofficial *Misturæ*, etc. These prescriptions will inevitably be understood to be recommended, on the authority of the Commissioners, as preferable to others for general use throughout the country. Practitioners who in the exercise of their professional discretion, and in the interest of individual patients, thought it desirable to vary the prescriptions of the Schedule, would be liable to be called in question for incurring additional expense. In the preparation of the list of drugs by the Committee under this paragraph, and in its revision, the Local Medical Committee should be consulted, and words to this effect should be inserted in the Regulations.

MEDICAL REMUNERATION.

A "white paper" has been issued of correspondence between the British Medical Association and the Chancellor of the Exchequer as to medical remuneration under the Act, and especially in regard to increased service to be required from doctors, definition of medical benefit, amount of remuneration, the abnormal drug-fund, employment of assistants, and non-institutional treatment. Dr. Cox, the Medical Secretary of the Association, puts the following question in regard to the drug-fund:

The Council is in some confusion as to the exact meaning of your reference to the Central Fund provided to deal with cases in which there is an abnormal demand for drugs. It is not clear whether the Commissioners will be able to make grants from this fund to meet the extra cost of drugs proved to be due to excessive sickness in every case in which they are satisfied that there has been such excessive sickness, and that the increase is due to this cause, or whether they would only be able to make such a grant in cases in which the cost of drugs exceeded both the 1s. 6d. and the additional 6d. normally allotted for payment of drugs.

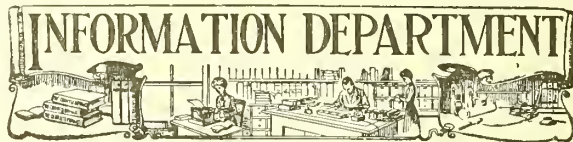
To this the Chancellor replies:

The intention is that the fund in question shall be available to prevent the 6d. for drugs being drawn upon in cases in which, and in so far as, the extra demand for drugs is clearly due to abnormal sickness. The fund, that is to say, must be available not only in cases where that 6d. has been exhausted in the provision of drugs, but also in cases in which it has not been so exhausted.

Respecting the proposed capitation grant for non-institutional treatment of tubercular insured persons, Dr. Cox asks:

Is the 6d. to include the provision of drugs necessary for tubercular patients, or will the drugs be paid for out of the 3d. left in the fund for the provision of Sanatorium Benefit?

The Chancellor's reply is that the 6d. is solely for the remuneration of the doctor, and no deduction will be made from it for provision of drugs or any other purpose.



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INFORMATION WANTED.

We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries:

- 124/330. Le Roche's food.
- 124/33. Tibble's lactic cream.
- 119/61. "Sanitol" toilet-paper.
- 122/8. Moffatt's oils (for horses).
- 124/332. "Terrilia" tooth-paste.
- 124/333. Borthwick's wintergreen.
- 118/37. "Charmides" bath crystals.
- 119/62. Norsk albumin maltose: makers.
- 123/37. Joy Valerie's face-cream: makers.
- 118/5. Antikito Syndicate: present address.
- 122/800. "Dr. Smith's Hair-soap": supply.
- 123/13. "Formaloids": makers or suppliers.
- 124/331. Clerten's perles, ether and asafetida.
- 125/1. "Syce," an Indian remedy for sprue.
- 121/3. "Thalein Laxative Chocolate": supply.
- 124/74. "Ice" or "Iced" eau de Cologne: makers.
- 122/24. "Brettnell and Turner's Gall Cure": proprietors.
- 115/63. "Dr. Thompson's Neuralgia Pills and Powders": supply.
- 121/70. "Niblett's Vital Renewer and Little Liver Pills": supply.
- 122/25. "Chrystallos" granules: makers or London agents.
- 123/44. Makers of plant for manufacturing hydrogen peroxide.
- 120/21. "Burton's Indian Elixir": proprietors or suppliers.
- 119/46. Wholesale houses who supply Christmas show of good perfumes, cut-glass bottles, etc., on sale or return.

INFORMATION SUPPLIED.

During the past week we have answered inquiries as to the makers or sellers of the following articles. The information will be repeated to other inquirers who send to this Department a stamped and addressed envelope for the purpose.

- | | |
|---|--|
| Allacite, 120/491 | Hydrogen peroxide cream, 122/2 |
| Anadol tablets, 116/20 | Jubol, 117/41 |
| Anderson's vaginal developers, 123/16 | Karox compound, 118/38 |
| Austen's Forest Flower Cologne, 118/50 | Kilmer's swamp-root, 117/70 |
| Barker's vibrators, 121/44 | "Lae Wax," 115/72 |
| Butler & Crispe (address), 111/24 | Lambs'-wool chest-protectors, 120/1 |
| Carbolacene, 117/35 | Major Drapkin's cigarettes, 121/22 |
| Caroly's "Mentho-Pine" antiseptic handkerchiefs, 122/65 | Oxford and Cambridge boot-polish (Dutch inquiry), 118/46 |
| Ceramic colours, British manufacturers (French inquiry), 116/47 | "Permutit" process for water-softening, 117/42 |
| Chemical glass-blowers, 115/64 | "Pheninol," 120/49 |
| Chest-protectors (makers), 120/1 | "Pompadour" toilet specialities, 117/17 |
| Claxton's ear-caps, 115/56 | Powder-puff makers, 121/13 |
| "Cooper-Hewitt" lamp, 116/65 | Scarthine (supply), 117/58 |
| Coudrey's lavender-water, supply, 119/60 | Silver-mounted toilet-ware, 114/2 |
| Disintegrators, 120/53 | "Somnoform," 117/56 |
| Edge-runners, 120/53 | Sorbite, 121/3 |
| Ellis & Goltermann's atomisers, 123/14 | Soya-bean flour, 119/57 |
| Enamelled funnels, 116/4 | Spermathanaton - Pastillen (supply), 118/60 |
| Eurodine, 123/12 | Stylo pens, 118/73 |
| "First-Aid" book (publishers), 119/3 | Surgical instruments, 119/15 |
| Fountain pens, 118/73 | Tela Vesicatoria, 123/13 |
| Frazer's coryza tablets, 117/40 | Tenaline, 117/400 |
| | Tennaline, 120/490 |
| | Thermal wool, 121/44 |
| | Viavi, 121/69 |
| | Wills' "Materia Medica," 117/18 |

OBSERVATIONS & REFLECTIONS.

By Xrayser II.

The Case for the Defence

of Proprietaries could not have been better opened than it was by Mr. Umney's evidence, which boldly and successfully traversed that of the most positive medical witnesses, and was completely destructive of the case for the inquiry so far as it rests upon the famous "Secret Remedies." Mr. Umney showed convincingly the futility of most of the suggestions made on the other side for the regulation of the trade in patents, such as the publication of formulæ, the prohibition of certain drugs as ingredients, and the censorship of advertisements, all of which would open the way to greater evils than those for which they are proposed as cures. The suggestions he made himself, though without admitting any necessity for them, were much more feasible, and likelier to be of use. Good might result and no real hardship would be inflicted on proprietors from the requirement that the names of any scheduled poisons contained in a secret remedy should be made known to the Revenue Department and the Pharmaceutical Society, and this, with a few others logically following from it, is all that Mr. Umney proposes.

The Contracting-out Scheme

apparently advocated by the British Medical Association ought, if it is seriously put forward, to be met by a vigorous propaganda on the part of pharmacists in support of the principle of the National Insurance Act. Hitherto we have, as a body, been charitably silent as to the possible abuses and inevitable dangers of doctors' dispensing, but if an organised attempt is going to be made to oust us from our legitimate position, the time is come for making a bolder stand in defence of our craft. Doctors do not scruple to make accusations against us, demonstrably false accusations too, and though it is very well to maintain, as far as we can, amicable relations with them, we cannot afford to let them rob us of our livelihood. There is no need to accuse them of any professional or personal shortcomings, though we might find matter for so doing, since the system itself is sufficiently vicious to stand self-condemned. It only requires to be shown in its true significance. There is absolutely no check on the dispensing doctor: a certificate covers a multitude of sins, and he can always give one. Personal probity is no assurance against error or accident; it is from these that the worst dangers arise, and from these the disinterested dispenser is the only safeguard. This fact ought to be brought home to the public as it never yet has been. I could myself supply more than one fact that would illustrate it luridly, and there is no reason to suppose that my experience has been exceptional. I do not suggest the publication of such facts in detail, but declarations from pharmacists of repute that they do now and then occur would have weight enough to establish our case.

The Definition of a Quack

which you quote from "The Times" accords pretty well with popular usage, but, etymologically considered, it is not quite accurate, nor is it historically correct to regard a quack as always one who is "outside the regions of hall-marked practitioners." The word "quack" is a shortened form of the older "quacksalver," which means simply (says Skeat) one who prates of or cries up his skill or cures. It is derived from the Dutch *kwakzalven*, to puff up salves, the first element

of which refers to the quacking of a duck. Obviously this does not necessarily imply insincerity or lack of conviction, though it may be conceded that these are often found in direct proportion to the outcry made. The first recorded instance of the use of the word in English is in Gosson's "Schoole of Abuse" (1579), and as the passage in which it occurs is particularly interesting, I quote it in full. He is speaking of critics without knowledge, and says:

"And so wading too farre in other mens manners, whilst they fill their Bookes with other mens fautes, they make their volumes no better than an Apothecaries shop, of pestilent Drugges; a quacke-salvers Budget of filthy receites."

The word had a great vogue in the seventeenth century, and occurs with wearisome frequency in the later Elizabethan dramatists and other writers in all sorts of connections, always with a sinister intention, but not always, in its literal meaning, with reference to irregular practitioners. The shortened form occurs first in the middle of the century. It, like the other, always connotes ignorance, empiricism, and boldness of advertisement, but not necessarily conscious imposture. When Cowper denounces

"Church quacks, with passions under no command,
Who fill the world with doctrines contraband,"

it is of enthusiasts he is speaking, not of impostors.

Government Grants

for the teaching of technological subjects are no new idea, and even before Government took it up the City Guilds distinguished themselves for many years by the practical help they gave to higher technical education. There is not the least reason why grants should not be earned on account of students in pharmacy and materia medica quite as much as for those who study chemistry and botany, and I look forward to very substantial amounts being realised by not a few pharmacy schools in the country from this source. I have long held that we have not got justice in this matter from the public funds, and I am not sure that I have not suggested in this column that some attempt should be made to secure our fair share. The seed sown a long time ago has at last taken root, and I look for a very nice fruition appearing in the near future. Whether the result will, so far as the "Square" is concerned, simply be a means for relieving the Society of some part of its annual expense, or whether the teachers and students are to benefit, is another matter.

The Romance of the Incandescent Light

will form one of the most interesting chapters in the history of artificial illumination, should such a history ever be written, and interwoven with the story will be an account of the vicissitudes of fortune that marked the early career of Welsbach, the discoverer of the use of oxides of the rare earths for the purpose of intensifying the light of a gas flame. It is not yet thirty years since the first incandescent mantle was produced, though we are now so familiar with mantles that we have a difficulty in recalling the time when they did not exist. In the early days of the mantle its chief drawback was its fragile nature, and I can well recall the numbers of mantles we used to break before we got into the habit of lighting them properly. Quite a demand sprang up for the old-fashioned "promethean," but I fancy this apparatus is little used and seldom heard of now. These reflections are the result of reading the account of Mr. White's lecture on thorium. It does not appear whether the lecturer even mentioned the great Vienna chemist, but no one to-day can tell the story of the rare earths without having recourse to Welsbach's classic works on the subject, and it is the barest justice to give him due honour on such an occasion.

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LIQUORS

Editorial Articles.

The State of Business.

PEOPLE who have had the opportunity this year of getting into close touch with the manufactures of the country have been saying that there never has been such a time when British industries have been so prosperous and money made so fast. Nevertheless, there is grumbling, and others, even in the retail and wholesale sections of the drug-trade, say that the country is "going to the dogs," and they want to get out of it. Which of these is correct, the optimists or the pessimists? Official statistics are in favour of the former, and as we have the latest Board of Trade returns before us it will be profitable to look into them. But in the first place we note that the Commissioners of Inland Revenue state in their most recent report that in the fiscal year 1901-2 the gross income of businesses, professions, etc., returned for income-tax under Schedule D was 361,538,494*l.*, and each year since, with the exception of a drop in 1904-5, there was a steady increase until 1910-11, when the amount returned was 415,585,571*l.* Now, as to the Board of Trade returns, which deal solely with the exports and imports of the United Kingdom, ten years ago (1901) the total export and import trade of the country during the whole year was valued at 870 millions sterling. Of this total 522 millions were imports, 280 millions exports of British produce (three-fourths of this being manufactured goods), and 68 millions were re-exports of foreign and colonial merchandise. It will be observed that the combined trade represented was roughly 72½ millions per month. The returns for October 1912 give us ten months' trading, and the total imports and exports were valued at 1,095½ millions, or 109½ millions per month. In the grand total the value of imports is about 600 millions sterling (about 154 millions of manufactured goods); while the exports were 402½ millions of British goods (about 320 millions manufactured), and re-exports were about 93 millions. These figures are far and away ahead of the growth of population, and it is particularly notable in regard to imports that besides the increases in the amounts of raw materials for manufactures, there are increases in food and allied goods which are concomitant with more prosperous internal business. Anyone who studies these returns cannot fail to be struck by the steady improvement in British industries, and, keeping in mind that simultaneously incomes have improved, we have noted that of the ten months' exports (402½ millions), about 320 millions was the value of articles manufactured in this country. The handling of

these is a business in itself which affords a living to thousands of people, but it is only a fraction of the country's trading. The census of production for 1907 put the selling value of the gross output of United Kingdom industries at 1,757 million pounds. No doubt there has been an increase during the past four years; but the fact that we wish to emphasise is that five-sixths of the goods made in the United Kingdom are consumed or used by ourselves; and the selling of these goods by wholesale and retail is a bigger business than the whole of our import and export trade. Both together are only a part of the business of the country.

Of the goods imported this year, chemicals, drugs, dyes and colours are valued at 10,235,599*l.*, while the corresponding goods exported were valued at 17,515,179*l.* The imports show an increase of 885,684*l.*, chiefly due to increases in bleaching materials, borax substances, brimstone, cream of tartar, glycerin, aniline dyes, and painters' colours and pigments, both in quantities and values. There have been marked diminutions in the imports of calcium carbide, saltpetre, and unenumerated chemicals. The import business during October in the chemical class of goods was valued at 1,126,491*l.*, being an increase of 186,385*l.* over October 1911; whereas the export business in similar goods was valued at 1,851,059*l.*, being a decrease of 22,469*l.* compared with October 1911 and an increase of 152,554*l.* compared with October 1910. The exports of chemicals include 147,976*l.* worth of bleaching powder, which is a considerable decrease on the ten months of 1911, and, taken with the increased imports of this material, shows activity in the textile industries. The cotton exports alone were valued at 11,633,088*l.* last month, the figures for the ten months being no less than 102,148,446*l.* Both the months and the year show increases in the exports of coal products, not dyes—namely, 216,908*l.* in October and 1,787,207*l.* in the ten months. Copper sulphate diminished considerably last month—namely, from 1,644 tons in October 1911 to 1,063 tons—but it is up on the ten months from 74,538 tons (1,407,204*l.*) to 81,632 tons (1,660,800*l.*). Glycerin exports advanced considerably—namely, from 14,415 cwt. in October 1911 to 19,132 cwt.—the increase being chiefly in distilled glycerin. The total of both kinds exported this year amounts to 160,495 cwt., valued at 537,069*l.*, both figures being an advance.

The figures under medicines are gratifying to the drug-trade, the total last month being 220,823*l.*, of which 211,234*l.* was for "other sorts" than opium and quinine—that is to say, chiefly wholesale druggists' trade; it is between 15 and 20 per cent. better than 1911; while for the ten months the value of such medicines has increased from 1,521,551*l.* in 1911 to 1,712,949*l.* this year. The exports of dried and powdered opium amounted to the value of 58,310*l.* in the ten months, and of quinine and quinine salts to 57,803*l.* These figures are most encouraging, for they are direct evidence of the growth of the British export drug-trade. The nature of the internal business can only be inferred; but there is no reason to suppose that chemists and druggists do not, like other retail traders, share in the improved conditions of the textile industry, metal manufactures, engineering and other important British industries, and those who feel that they are not getting their share of the improved business should ask themselves Why? take stock, and remedy any defects there may be in their manner or methods of business. This means some personal introspection and recognition of the fact that others in the field are doing

better, and that there is no part of the world where there are better opportunities of making money and more freedom to participate in the work.

"Phenols" and "Phenoloids."

Some doubt having arisen as to whether or not the word "phenols" used in the recent Order in Council adding "liquid substances . . . containing not more than three per cent. of phenols" to poisonous substances within the meaning of the Poisons and Pharmacy Act, 1908, Section 5, would cover the same substances as are contained in "carbolic acid and its homologues," we have ascertained officially that "it was intended by the Order in Council of the 11th October last, to deal with the weaker forms of the substances touched by previous restrictions." This sets at rest any feeling that "phenoloids" are not included.

An International Contrast.

Mr. Masterman recently intimated in the House of Commons that a representative of the Insurance Commissioners is at present in Germany studying the operation of Sickness Insurance there. It is interesting to note in this connection that inquiry is being made in regard to the cost of drugs and compounded medicines in Germany, with the view, it is suggested, of making comparisons between German wholesale prices and prices in Great Britain. So far the Insurance Commissioners and their staffs have proved themselves to be well-informed persons, and we have no reason to question their pharmaceutical knowledge, but we have our "doots" about their ability for comparing British and German pharmacy and pharmaceutical methods on a price-list basis. It is not improbable, for instance, that when they come to alcoholic preparations they may overlook the differences in Pharmacopœia methods and the vastly greater cost of spirit in this country. These are two points only in a matter which bristles with points of difference and difficulty, and we commend to the Commissioners "Punch's" advice: *Don't*. But what is the object of the comparison? Perhaps the Drug Club will find out.

Bleached Flour.

Dr. G. W. Monier-Williams has continued his investigations on the subject of wheat and flour, with the result that the Local Government Board has issued a report on "The Nature of the Colouring-matter of Flour and its Relation to Processes of Natural and Artificial Bleaching," which is published by the Stationery Office at 3*d.*, and can be obtained through any bookseller. Dr. Monier-Williams shows that the colouring-matter is either carotene or a substance closely allied to it. The colour of this body is discharged by oxygen or by nitrogen peroxide. On exposure to the air it is bleached by absorption of oxygen, no oxides of nitrogen being absorbed, and it is reasonable to assume that the natural ageing of flour is a similar process, while in the bleaching of flour by nitrogen peroxide substances are produced which are not produced during the natural ageing of flour. The interesting observation is also made that unbleached flour contains some nitrite reacting substance, but Dr. Monier-Williams demonstrates that this is equivalent to not more than 1.5 to 2 parts of sodium nitrite per million; and in an addendum the effect of prolonged storage upon the nitrite-content of highly bleached flour is dealt with, and also the effect of excessive bleaching on the baking qualities of flour. It appears from the figures that as much as 158 parts of sodium nitrite may be present in a million parts of bleached flour

which contained only 0.5 part before bleaching, and that bread made from such flour contained 75 parts of sodium nitrite per million. The pamphlet contains spectroscopic diagrams illustrating the detection of colouring-matter and the effect of bleaching upon it.

The Price of Glycerin.

The chief use of glycerin is in the manufacture of dynamite for explosive purposes, but it may be news to many that in the United States (according to an East African journal) farmers are now ploughing with dynamite to such an extent that one manufacturer of explosives sold to farms 500,000 lb. of dynamite in 1908, 750,000 lb. in 1909, 1,500,000 lb. in 1910, 3,000,000 lb. in 1911, and the indications are that this one concern will ship 5,000,000 lb. to farmers this year. This method of ploughing was the idea of a Southern farmer, who found it loosened the subsoil as no ordinary method of cultivation could do. The results were astonishing in the increased size of his crops, and out of proportion to the cost of the dynamite. Should ploughing by dynamite become general its effect may be shown in yet higher prices of glycerin. On the other hand, the discovery of a new high explosive (tetranitroaniline), which does not require glycerin for its manufacture, is announced by Dr. Bernhard Flurschheim, of Fleet, Hants. This explosive (T.N.A.) is obtained by treating *m*-nitroaniline with a mixture of nitric and sulphuric acids. The *m*-nitroaniline is in turn derived from commercial nitrobenzene by a new method of reduction with sodium bisulphide and water. The explosive power of the new compound is greater than that of any other solid (20 per cent. greater than gun-cotton), but less than nitroglycerin. It would seem, therefore, that in the future if T.N.A. came into general use the price and production of nitrobenzene might become a regulating factor in the price of glycerin.

The Shops Act Muddle.

Local authorities in London and the Provinces are passing orders under Section 4 of the Shops Act, 1912, extending the half-holiday closing provisions of the section to chemists' shops. We may recall the fact that Sub-section 6 states that the section shall not apply to any shop in which the only trade carried on is an exempted one, but if two-thirds of the occupiers of such shops want an order it may be got. Few chemists are in a position to say that the only business carried on in their shops is the sale of medicines and medical and surgical appliances; this being so, their shops are "mixed" in accordance with the Act, and for such any order has to be made in accordance with Section 10. So far we are not aware of a single order made under this section. The same remarks apply to Section 5, which provides for closing orders for the different days of the week. When these are required for mixed businesses they should be made under Section 10. It is obvious that so long as nail-brushes, curd-soap, and things like these commonly stocked by chemists are regarded by Magistrates as not being exempted goods, the shops in which they are sold with drugs are "mixed," and the order must be under Section 10. What the result will be it is difficult to foretell, because few local authorities know where they are in this matter, and some Town Clerks lay down the most astonishing dicta. For example, we have before us an official letter posted to the occupier of a mixed shop who had sold medicines during closing hours. In this case the order has been made under Section 4 instead of Section 10. It has not been approved by the Home Secretary, and therefore has

not lain before Parliament for the stipulated period. Such procedure is bound to bring the Act into disrepute, and it is solely due to the ineptitude of the local authorities; for the Act is clear enough on the point, and the Government Departments have issued regulations which make it doubly clear.

CHEMICAL SOCIETY.

THERE was a moderate attendance at the Society's Lecture-theatre, Burlington House, London, W., on November 7, for the first meeting of the winter session, at which ordinary business was transacted. This was reflected in the abnormal length of the list of communications, and at 10.20 P.M. several of those marked for reading had perforce to be taken as read. The latter section included two researches on *Pilocarpus* alkaloids, emanating from the Wellcome Chemical Research Laboratory. The President, who occupied the chair, referred sympathetically to the deaths of Dr. H. O. Jones and Dr. John Wade. Several papers by the latter had been on that night's list. An address of congratulation to the Royal Society on attaining its 250th anniversary was read. The first three papers were by Professor A. G. Green and his colleagues, and arose out of researches on dye-stuffs, these and the discussions thereon taking up much of the available time. Messrs. J. S. Bainbridge and S. H. Davies communicated a paper on the

ESSENTIAL OIL OF COCOA.

The paper, which was read by Mr. Davies, showed how 24 grams of essential oil has been obtained from 2,000 kilograms of cocoa-beans by distilling the pressed nibs in 100-kilo. lots with superheated steam at 120° C. The distillate was shaken out with a specially purified petroleum, 55 litres of bulked extracts being collected. The oil has an intense odour. The flavour, which is perceptible in 1 in 50,000,000 of syrup, approaches nearest to that of coriander. The oil was fractionated *in vacuo*. The early portions coming over were rich in esters derived from the volatile fatty acids produced on fermenting the beans. The middle fraction contained much *d*-linalol, corresponding to coriandrol. The oil thus takes its place with the linalol group of oils, such as coriander, bergamot, and neroli.

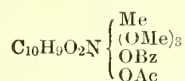
CRYSTALLOGRAPHY.

The next communication was by Mr. T. V. Barker, who dealt with unusual types of crystallography, showing that isomorphism of the apparently anomalous type, like that existing between sodium nitrate and calcite, is not rare, but of frequent occurrence. The electropositive element had no effect on the crystal structure, but there is a remarkable connection between the position of the second or central element in the periodic system. When the atomic weight of this is low the crystals belong to the orthorhombic system; when high, to the tetragonal system. Following Werner's scheme of co-ordination of structure, the author showed how analogies in chemical structure of these types of isomorphous compounds, not presented in older arrangements, can be obtained. In conclusion, he said if Barlow and Pope hold to the correctness of their theory of crystal structure they would be compelled to assume that the valency volume is variable. The last communication was by Mr. F. H. Carr, of the Wellcome Chemical Works, Dartford, on

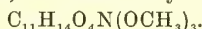
THE OXIDATION OF ACONITINE.

The work had been done fifteen years ago, but the publication of the results had been withheld until an opportunity of proceeding further should occur. This had now arisen, and the paper was of the nature of a record. The six known aconitines by splitting off two acyl groups give four similar, though not identical, "aconines," each containing twenty-five carbon atoms. In aconitine, besides the acetyl and benzyl radicles, Dunstan has shown there are three hydroxyl, four oxymethyl, and one methyl group, leaving a residue $C_{20}H_{21}N$. The object of the

investigation is to throw light upon the constitution of this main part of the molecule by examining the products of oxidation. On adding dilute sulphuric acid to aconitine permanganate and heating to 40°, one molecular proportion of acetaldehyde is formed and a white crystalline substance remains in suspension. This substance, for which the name *oxonitin* is proposed, has the empirical formula $C_{22}H_{20}O_8N$. It is sparingly soluble in most solvents, but may be recrystallised from a mixture of chloroform and methyl alcohol by the addition of ether, forming rosettes of white prismatic crystals, melting at 276°. It is levorotatory ($\alpha_D = -62^\circ$). It is not basic nor alkaloidal in character, nor does it combine with alkalis. It contains three methoxyl groups and one acetyl and benzoyl group. Assuming that the $N-CH_3$ group in aconitine remains unchanged, its formula may be represented thus :



As oxonitin differs from aconitine by $C_{10}H_4OH(OCH_3)_3$, there are other products of oxidation to be identified. There is evidence that, besides acetaldehyde, oxalic acid is produced, but the fate of the remaining seven carbon atoms is unknown. Exactly one molecular proportion of permanganate is required for the change, and the yield on occasions has been as much as 95 per cent. of the theoretical, though it usually falls below this figure. Oxonitin, on hydrolysis with alcoholic sodium hydrate, splits off molecular proportions of acetic and benzoic acids, leaving a neutral non-alkaloidal substance, containing nitrogen, which is soluble in water. On the other hand, when hydrolysis is brought about by boiling with hydrochloric acid, acetic and benzoic acids are split off and an alkaloid is produced. Many salts of this alkaloid were prepared and obtained in practically colourless condition, but could not be readily crystallised. The few crystals of the hydrolytic alkaloid obtained were insufficient for analysis. Presumably it is a base containing only fourteen carbon atoms, three of which are accounted for as methoxyl groups, and when larger quantities are available it is not unlikely valuable information as to the constitution of the nucleus of the aconitine molecule may be obtained. If it is derived by the replacement of acetyl and benzoyl groups by hydrogen, its formula may be written



Japaconitine yielded oxonitin when oxidised by the same method, and pseudaconitine, which contains a veratyl group, yields another substance, m.p. 235°, which has not been so far investigated.

AT THE COUNTER.

INCENDIARISM.—"Please for three penny worth of Sulphur to burn a room."

TELLS ITS OWN TALE.—"Something for teethache, quick; am going mad." "1d. scrap rubber."

A GRAHAMSTOWN (S.A.) REQUEST for "Blokcorp 1" represented a shillingworth of black draught.

KNOWN, but not approved as regards spelling: "3d. Friers Bosoms, 3d. Balls Pippie, 2d. sweet knight."

DORSET DEMANDS.—"6d. tin of Disinfected Powder." "An infant's compository." "Please give the boy a bosom sposter for drying up the milk."

TWO PUZZLES from Eastbourne on one piece of paper: "4d. Astiphas oils." "2d. Vinecrick, 2 oz. liver of antimony, 3 oz. licrigreets powder, 2d. dinponso powder."

SUPPLY THE MISSING LETTERS.—Buxom Countrywoman: "If yer please, I want a tin of tewth powder, it begins with 'H-E' and ends with 'Hell.'" [Eueryl tooth-powder supplied.]

"THE MUG'S LAMENT."—"2d. Shuggerlead, 2 rought allan, 2 selfer inck, 1 quart warter." The reverse side of the sheet of paper on which is written the above formula bears "The Mug's Lament" in verse.

WINTER SESSION.

Aberdeen.—A meeting of chemists was held in Gordon's College on Wednesday evening, November 13, in regard to Insurance Act dispensing. It was attended by Mr. J. P. Gil-mour and Mr. J. R. Hill, who addressed the meeting on the desirability of Scottish unanimity in regard to the dispensing tariff.

Birmingham.—The winter session of the Midland Pharmaceutical Association was inaugurated on November 13 by a social gathering at the Grand Hotel, Birmingham. The new President (Mr. Jas. Radford) and Miss Radford received the members, and following the supper a fine musical programme was presented. After the reception Mr. Radford delivered a short address. He said there never was a time when the Association had a brighter outlook. They were all pharmacists to the core, and the Association had always been to the front in matters pharmaceutical, and always ready to assist the parent Society. They had been independent, it is true, but it is independence of the right kind which makes for the betterment of the members. The programme which followed contained a number of musical items, which were judiciously varied by readings from Dickens.

Blackpool.—A meeting of the Blackpool and Fylde Pharmacists' Association was held on November 8 at the Palatine Hotel, Blackpool. The President (Mr. D. J. Bailey) occupied the chair, and there were also present twenty members. Points arising out of the Shops Act, the National Insurance Act, and the contract for the supply of drugs to the local hospital were discussed, and January 29 was provisionally fixed as the date of the annual dinner.

Cambridge.—A special meeting of pharmacists entitled to serve on the panel for the Borough and County of Cambridge was held on November 7 at Croydon Chambers, Regent Street. Mr. J. Evans (President) presided over a large attendance. The Chairman explained that it was desired to discuss the question of the supply of drugs to patients under treatment for tuberculosis under the National Insurance Act. A long discussion took place, in which most of those present took part, and several suggestions were referred to the committee for further consideration. Mr. H. F. Cook and Mr. E. S. Peck (members of the local Insurance Committee) explained the position of affairs as far as the local developments are concerned, and outlined the work that is before their committee. Mr. Coulthard said the feeling among the club members in his district is strongly in favour of the dispensing being placed in other hands than the prescribers'.

Chesterfield.—A meeting of the Chesterfield Pharmacists' Association was held on November 12, Mr. George Wright (the President) presiding. A good attendance of some twenty local pharmacists listened to an address by Mr. Woolcock, who was paying his first visit to Chesterfield. A discussion resulted, the principal subject being the organisation of pharmacists to meet the conditions imposed by the National Insurance Act.

Dover.—The annual meeting of the Dover Chemists' Association was held at the Métropole Hotel on November 7. Mr. J. F. Brown was in the chair, and there were eight other members present. The accounts were presented by the Treasurer and passed. The following officers were elected: *President*, Mr. Brown (re-elected); *Secretary*, Mr. Ewell, jun.; *Treasurer*, Mr. R. M. Ewell, sen. A vote of thanks was given to Mr. R. M. Ewell for his many years' work as Secretary of the Association. Mr. Dobson (Deal) was elected a member. A report of the delegates to the Kent meeting was given, and it was resolved to send Messrs. Brown, Ewell, Ewell, jun., and Forster to the next meeting. An informal discussion of Insurance matters concluded the meeting.

Eastbourne.—The annual meeting of the Eastbourne Pharmacists' Association was held at the Queen's Hotel on November 12, when Mr. Arthur Mills was elected *President* and Mr. D. Marchant was re-elected *Hon. Secretary*.

Edinburgh.—The opening meeting of the thirty-fifth session of the Edinburgh Chemists', Assistants', and Apprentices' Association was held at 36 York Place on November 6, Mr. Henry Stout, Ph.C. (President), in the chair. Mr. G. H. Etchells (Hon. Secretary) submitted the *Annual Report*, which was unanimously adopted. The *Presentation of Prizes* next took place. Mr. Peter Boa presented the Ewing Pharmacy Prize (consisting of "The Art of Dispensing," White's "Microscope," Cohen's "Organic Chemistry," and "The Chemists' Medical Dictionary") to George Handley. Dr. George Coull also presented the Stephenson Prize and Mr. G. H. C. Rowland the Dick Botanical Prize to Mr. Handley. Dr. George Coull presented the President's Prize (consisting of Senter's "Chemistry") to Marcus

Hoppenstein. The President then delivered his address on *The Study of Field Botany*. Mr. Stout said that although botany has always had a prominent place in the syllabus of the Association, it has not so far formed the subject of an inaugural address. He especially emphasised the advantages of practical botany over knowledge obtained solely from text-books. Country walks are made much more interesting from an acquaintance with wild flowers. Mr. Stout then, taking as an example the flowers to be met with in the country in February and March, mentioned the features which must be noted for recognising the plants. As a flora, he recommended Sontag's "Flora of Edinburgh," or Hayward's "Pocket Flora," and said the student should start out with a good grip of botanical knowledge, so as to be able to describe plants in proper language. Instructive details followed regarding the organs of plants. The effect of the Shops Act should be to induce more people to take up field botany. Indications were given of the best positions round Edinburgh for botanical rambles. Once the elementary stage is passed, field botany becomes a fascinating study, and the leisure hours, whether spent in the woods, upon the moors, or by the seaside, appear only too short when this hobby is practised. A vote of thanks was awarded to the President. Mr. E. J. Brown then, in the name of the members of the Association, presented the President with a writing-desk and book-stand as a mark of their appreciation and good wishes on the occasion of his marriage. Mr. Stout returned thanks on behalf of Mrs. Stout and himself.

Glamorganshire.—Mr. Daniel Arnott presided at the annual meeting of the East Glamorgan Chemists' Association held at Pontypridd on November 7. There was an excellent attendance. The financial statement, in spite of heavy initial expenses, showed a balance on the right side. The Secretary (Mr. W. Oswald Davies) submitted a report on the work accomplished during the year, which also was considered to be excellent, the attendances at the meetings having been gratifying and the work done, especially in regard to the Insurance Act, of high value to the members. The report was unanimously adopted, and appreciation expressed at the very able and courteous manner in which Mr. Davies had discharged his duties. The election of officers for the ensuing year resulted as follows: *President*, Mr. Arnott; *Vice-President*, Mr. J. W. Richards (Tony-pandy); *Treasurer*, Mr. Lewis (Mardy); *Hon. Secretary*, Mr. W. Oswald Davies (Pontypridd). It was agreed to subscribe 10s. towards the Welsh Pharmaceutical Standing Committee's expenses. (Some members had subscribed individually.) The President, who represents the Association on the Insurance Committees, submitted details as to the present position of chemists under the Insurance Act. Affairs are not, he said, in any way as satisfactory as they might desire as affecting South Wales chemists, owing to the exceptional conditions which prevail in the industrial centres in the matter of the medical "poundage system" in vogue at the different colliery districts. He also gave full details, *in camera*, as to what is being done as to dispensing charges and other things. He was most cordially thanked. It was remarked that Merthyr chemists have seceded from the East Glamorgan Association and have formed an Association of their own, embracing the Aberdare district, also heretofore identified with East Glamorgan. It was pointed out that Aberdare for Insurance Act purposes comes within the jurisdiction of the Glamorgan County Council, and it was strongly urged that Aberdare members should return to this fold.

Guildford. The annual meeting of the Guildford Pharmacists' Association was held on November 4. The Treasurer's report showed a balance in hand of 3l. 17s. 8d. The Committee and Hon. Secretary (Mr. J. H. Mather) were re-elected. Three new members were elected, and Mr. Inman reported regarding organisation matters.

Harrogate.—The opening meeting of the winter session of the Harrogate Pharmaceutical Association was held at the Salisbury Hotel on November 8. The members assembled in full force to greet the new President (Mr. Percy L. Ridge). Messrs. Pickering (Harrogate), Arnott and Douglas (Ripon) were elected members, and then the new President delivered his *Presidential Address*. He dealt chiefly with the National Insurance Act, and said that pharmacists have not yet got beyond the "wait and see" period. The President was thanked for his address and then followed a smoking-concert, to which Messrs. L. Foster, Mote, Rogers, Mortimer Weston, and Fenn contributed. Mr. Hines was accompanist.

Lancashire.—Pharmacists from all parts of Lancashire assembled in Manchester on Wednesday evening, November 13, at a mass meeting convened by the Pharmaceutical Society. In the afternoon Mr. J. R. Young presided over a private conference. Mr. J. C. Kidd (President of the

Manchester Pharmaceutical Association) was in the chair at the evening meeting, over 270 being present. Mr. Lord Gifford made a short speech, in which he outlined the policy of the Pharmaceutical Council; and Dr. Symes (Liverpool) spoke upon organisation. He expressed the hope that the Insurance Act would be so far amended and improved as to give chemists the position they ought to have under it. Mr. J. R. Young said that recognition had now been secured of the fact that the pharmacist is the proper person, from his education, his training, and his ability to do the dispensing for the public, and that ought to make them hesitate before doing anything which would lead in any way to disruption or to a break-up of the negotiations now going on. He advised them to take on the Insurance Act with an idea that good would result, that what was not good at present might be rectified in twelve months, and that that which was not particularly good now might be a good thing in another year or two. Mr. Woolcock also addressed the meeting, and the following resolution was carried unanimously, upon the motion of Mr. M. Parry (Liverpool), seconded by Mr. F. W. Bates (Manchester):

"That this meeting of pharmacists in the Manchester district approves the policy of the Council of the Pharmaceutical Society with regard to the National Insurance Act and the organisation of pharmacists, and pledges its utmost endeavours in its support."

London (S.W.).—The inaugural meeting of the South-West London Pharmacists' Association was held on November 6 at the Wandsworth Town Hall. There was an excellent attendance. After the election of the President, officers, and Council, Mr. E. T. Neathercoat addressed the meeting on the National Insurance Act. Votes of thanks were given to Mr. Neathercoat for his address and to Mr. G. A. Techer (Secretary of the County of London Pharmacists' Association) for his help in the formation of this Association. At the close of the meeting fifty-two subscriptions were paid. The Hon. Secretary is Mr. W. E. Mason, 89 Acre Lane, Brixton.

Middlesbrough.—Mr. Cariss presided at a meeting of the Middlesbrough Chemists' Association held at the Grand Hotel on Thursday evening, November 7. Mr. Brackenbury, the chemists' representative upon the local Insurance Committee, opened a discussion on the Insurance Act, and explained what arrangements are being made locally for the supplying of drugs to insured persons. The proposed *Discounting of the Drug-bill* brought forth some strong comments, and the following resolution was passed, with instructions that it be sent to the Pharmaceutical Society, the Organisation Committee, and the two local M.P.s:

"That this meeting of the Middlesbrough Chemists' Association protests strongly against the proposal to discount the bills for the supply of drugs under the Insurance Act, as stated by the Right Hon. C. F. Masterman, M.P., in his reply to Mr. Worthington Evans in the House of Commons on October 28."

Middlesex.—Mr. R. L. Whigham presided at a meeting of Middlesex pharmacists held at 17 Bloomsbury Square, London, on November 8, to confirm the formation of the County of Middlesex Association of Pharmacists. This was done, and the following officials were appointed: *President*, Mr. Whigham; *Vice-President*, Mr. John Humphrey; *Secretary*, Mr. A. E. Bailey, 64 High Street, Highgate, N. It was agreed that the constitution of the Association should be similar to that of the County of London (*C. & D.*, November 9, Supplement). Mr. Woolcock arrived from Wellingborough during the meeting, and gave a lucid explanation of the position of pharmacists in regard to Insurance Medical Benefit.

Northamptonshire.—Mr. J. R. Moore presided at a meeting of the Northampton County Pharmacists' Association held at the Granville Hotel, Wellingborough, on November 7. Twenty other members were present. Mr. J. H. Thursfield (Hon. Secretary) reported that the whole of the pharmacists except three in the administrative county of Northampton are members of the Association. The Chairman congratulated Mr. Gant on his election to the Magisterial Bench. Mr. W. J. U. Woolcock addressed the meeting on organisation and Insurance topics.

Oldham.—Mr. E. H. Holden presided over a meeting of twenty members of the Oldham Pharmacists' Association held on November 12, which was addressed by Mr. W. J. U. Woolcock, who gave useful information in regard to the Insurance Act and dispensing under it.

Paisley.—In the absence of Mr. Fraser (President), Mr. W. Sim (Vice-President) presided at a meeting of the Paisley Pharmaceutical Association held on Tuesday, November 12. He intimated that practically every qualified chemist (employers and assistants) in Paisley, Johnstone, and Renfrew has joined the Association. Mr. Peter Irvine, Ph.C., Glasgow, read a most interesting and instructive paper on "The Business Side of Pharmacy," after which Insurance dispensing was discussed. It was announced that as soon as the tariff is received a special meeting will be convened to

consider the position. All the members (employers) of the Association signed an agreement to await the report of the Pharmaceutical Standing Committee before coming to any decision on tariff matters.

Perth.—Mr. J. J. Donald presided at a meeting of the Perthshire Pharmacists' Association held in the Grand Hotel on Wednesday, November 6. Mr. J. Rutherford Hill described the proposed tariff for National Insurance dispensing, and the meeting passed the following resolution:

"That this meeting is of opinion that it is impossible to arrange a tariff or scale of charges for dispensing to fit any given sum based upon a *per capita* basis, but is of opinion that the scale adopted by the Joint Standing Committee is one which in due course should be submitted to the local Insurance Committees."

Poor-law Dispensers.—A meeting of dispensers in the metropolitan area of the Poor-law Service took place at 53 Clerkenwell Road, London, E.C., on November 6. Mr. F. Noad Clark presided over a good attendance. The special object of the meeting was to receive the report of the committee who had charge of the memorial recently presented to the Local Government Board on behalf of dispensers by Mr. W. S. Glyn-Jones, M.P. As a result of this memorial the maximum salary of 180*l.* per annum in the metropolitan area may be increased to 200*l.* after long service and in exceptional circumstances. Votes of thanks were passed to Mr. W. S. Glyn-Jones, M.P., for his help, and to Sir Arthur Downes, M.D., for the interest he has taken in the welfare and progress of Poor-law dispensers, and to the sub-committee for work done.

Stockton-on-Tees—A meeting of the Stockton-on-Tees Pharmacists' Association was held in Newman's Café, Stockton-on-Tees, on November 12. Mr. J. M. Skilbeck (President) in the chair, eleven other members being present. A discussion took place on the National Insurance Act.

Watford.—A meeting of the Watford Pharmacists' Association was held on November 6 at the Lime Tree Hotel, Watford, the President (Mr. C. E. King) occupying the chair. There were also present eleven members and Mr. D. W. E. Barker (Hon. Secretary). A resolution was passed, and ordered to be sent to the Pharmaceutical Society, suggesting the advisability of submitting for the consideration of the Association a copy of the schedule of prices for dispensing under the National Insurance Act.

Yarmouth.—The monthly meeting of the Great Yarmouth Pharmacists' Association was held at 156 King Street on November 7. Mr. W. G. Pol (President) in the chair. Seven other members were also present. A deputation was received from the Great Yarmouth Traders' Defence Association regarding membership of that Association.

Future Meetings.

WEDNESDAY, NOVEMBER 20.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 P.M. Lord Sanderson will deliver the opening address of the session.

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 8.30 P.M. Inaugural sessional address by Professor Ralph Stockman on "Stimulant-Narcotics, with a special account of *Catha edulis*."

Western Pharmacists' Association, Alexandra Room, Restaurant Frascati, Oxford Street, London, W., at 7 P.M. Annual dinner. Tickets (7*s.* 6*d.* each) from the Hon. Secretaries, Mr. A. Latreille, 48 Baker Street, W., and Mr. R. E. Lownsbrough, 35 Clifton Road, Maida Vale, W.

Leeds Chemists' Association, Grand Restaurant, at 8 P.M. Messrs. G. Ward, F.I.C., and E. Yewdall, Ph.C., "Fifty Years' Retrospect."

Nottingham Pharmaceutical Association, Mechanics' Institution, at 8.45 P.M. Mr. F. W. Davies on "The Nottingham Water Supply."

THURSDAY, NOVEMBER 21.

Chemical Society, Burlington House, London, W., at 8.30 P.M. Among the papers to be communicated are the following: "The Change in the Boiling-points of the Trioxide and Tetroxide of Nitrogen on Drying," by Messrs. H. B. Baker and M. Baker; "The Constituents of Taraxacum-root," by Dr. F. B. Power and Mr. H. Browning, jun.; "Neutral Salt Action. Part II. The Influence of Sodium Salts of Organic Acids on the Rate of Hydrolysis by Alkali," by Dr. G. Senter and Mr. F. Bulke; "The Constitution of Aconitine (preliminary note)," by Mr. O. L. Brady.

Stockport Pharmacists' Association, White Lion Hotel, Underbank, at 7 P.M. Annual dinner. Tickets (4*s.* 6*d.* each) from Mr. A. E. Mills, 135 Shaw Heath, Stockport.

South-East London Pharmacists' Association, Green Man, Lewisham (top of Lewisham and Blackheath Hills), at 8 P.M. Social meeting. Tickets may be had from Mr. W. Chas. Sayers, 63 High Street, Lewisham, S.E.

Chemists' Assistants' Association, 75 Newman Street, Oxford Street, London, W., at 9 P.M. Impromptu discussion.

Sheffield Pharmaceutical and Chemical Society, Royal Victoria Station Hotel, at 7 P.M. Annual dinner. Tickets (4*s.* 6*d.* each)

from Mr. J. Gilbert Jackson, Hon. Secretary, 338 Abbeydale Road.

North Staffordshire Chemists' Association, Roebuck Hotel, Stoke, at 5 P.M. Annual meeting.

Institute of Ophthalmic Opticians, Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 P.M. Mr. H. L. Taylor on "Errors in Frame Fitting." Chemist-opticians are invited to be present.

FESTIVITIES.

Preston Association Dinner.

THE annual dinner and social evening of the Preston Pharmacists' Association took place at the Crown Hotel, Preston, on November 7, nearly fifty persons being present. The President (Mr. S. H. Hadfield) occupied the chair, and after dinner Mr. Burnett and Mr. Livesey proposed the toast of "The Visitors," to which Mr. R. L. Gifford (Blackburn) replied. The party then adjourned to the drawing-room for a whist-drive, which resulted as follows: *Gentlemen's prizes*—(1) Mr. E. Topping, (2) Mr. W. F. Mercer, (consolation) Mr. J. F. Burnett; *Ladies' prizes*—(1) Mrs. Fisher, (2) Mrs. Armitage, (consolation) Mrs. Freeman. Songs and recitations were then rendered, and the function was brought to a close at one o'clock in the morning.

Whist and Concert.

THE North Kent Pharmacists' Association had a social evening in the Masonic Hall, Rochester, on November 6, when a company of about seventy responded to the invitation. Whist was the first part of the programme, and the extremely handsome prizes presented by the wholesale trade were won by Miss Feaver Clarke, Mrs. Gillitt, Miss Cooper, and Mrs. Roots, Messrs. Weight (Maw's), W. G. Wells, H. W. Harrie (Harker, Stagg & Morgan, Ltd.), and Harrison (Evans Sons Lescher & Webb, Ltd.). It was not only the irony of fate that enabled travellers to win the gentlemen's prizes. After refreshments, an impromptu concert was held, at which the Rochester (a cathedral city) contingent fully held their own. The President (Mr. R. Feaver Clarke), Vice-President, and Secretary (Mr. W. E. Clarke) superintended the proceedings, and the President expressed the thanks of the Association to the donors of the prizes.

Benevolent Fund Concert.

A SMOKING-CONCERT was held at the Bear's Paw Restaurant, Liverpool, on November 6, under the joint auspices of the Birkenhead and Wirral and the Liverpool Chemists' Associations, with the object of augmenting the Pharmaceutical Benevolent Fund. Nearly two hundred pharmacists and friends assembled, and a most enjoyable evening was spent. The chair was occupied by Mr. J. B. Francis, of Wrexham, who thanked the committee for the zeal with which the arrangements for the concert had been carried out, especially mentioning the Secretary (Mr. W. F. Laycock). The proceeds, including donations, sale of tickets, and the collection, will probably exceed 60*l.*—a record in the series of concerts. The cost of the entertainment was defrayed by the committee. Replying to repeated calls for the Secretary, Mr. Laycock made a few remarks, stating that the effort he had made was not only on behalf of the Benevolent Fund, but to stimulate interest in local Associations. Mr. J. H. Battley arranged the very successful programme, the artists including Messrs. Arthur Weber and Pope (of the Liverpool Cathedral), Halton Morris, Arthur Frame, John Rowling, R. T. Allan, Richard Brown, Harry Watson, Tom Campbell, W. King, Tom Derbyshire, Day and Morris, and H. M. Ashton; accompanists, Messrs. Allan and Lunt. Votes of thanks concluded the concert.

Hewlett's Social Evening.

THE sixteenth social evening of the staff of Messrs. C. J. Hewlett & Son, Ltd., was held at the Talbot Hotel, London Wall, E.C., on November 9. Upwards of eighty sat down to dinner, the chair being occupied by Mr. E. J. Millard, F.C.S., managing director, and the vice-chair by Mr. Vivian C. Hewlett. Mr. A. Street proposed the toast of "The Firm," and the Chairman, in replying, read telegrams of good wishes for the success of the evening from Mr. John C. Hewlett and Mr. Allman. Mr. V. C. Hewlett also responded, and proposed the toast of "The Travellers," to which Messrs. C. F. Pitt and S. Shorto replied. The tables were then cleared and a smoking-concert followed, which included cornet duets by the Brothers Watson, humorous songs by Messrs. Will Webb, Will Cragg, and Jock McNeil, and quartettes by Messrs. Street, Pile, Burton, and Davis. The pianoforte accompanist was Mr. W. F. Hull. The proceedings concluded with a vote of thanks to the Chairman and to the Hon. Secretary (Mr. H. Gillard).

Honour to Mr. J. F. Tocher.

A COMPANY of about sixty gentlemen, representing divinity, law, medicine, and pharmacy, entertained Mr. James F. Tocher, B.Sc., F.I.C., a former President of the British Pharmaceutical Conference, to a complimentary dinner in the North Eastern Hotel, Peterhead, on Wednesday evening, November 6, the occasion being his leaving Peterhead for Aberdeen. Provost Leask, of Peterhead, was in the chair, and among those present were the following pharmacists: Messrs. A. Milne (Maud), J. H. Low (Fraserburgh), John Collicie, J. Walker, and J. D. Christie (Peterhead). Besides doctors, ministers, solicitors, teachers, bankers, dentists, engineers, and architects of the district, there was a representation of the shopkeeping classes, such a gathering being rare in the annals of Peterhead. The toast of "The Guest of the Evening" was proposed by Dr. Middleton, and Mr. Tocher gave a sympathetic reply. It was immediately followed by "Mrs. Tocher and Family," proposed by the Rev. Dr. Forrest of Lonmay. Mr. Tocher again responding. All the speakers spoke in the warmest terms of Mr. Tocher's personal accomplishments, his professional ability, and his services to the academical, commercial, and municipal work of the town, and wished him God speed. The "Aberdeen Free Press" of November 8 contained a report of the dinner extending to over three columns.

Majority of the Galen Lodge.

MR. J. F. HARRINGTON (who has just succeeded Mr. G. R. H. Clark as W.M.) presided at a ladies' night of this Masonic Lodge at the Connaught Rooms on Monday evening, November 11, which commemorated the foundation of the Lodge on March 23, 1891. At the dinner, held in the Crown Room, he was supported by Mrs. Harrington and his officers, who include Bros. H. Jenkins, P.M. S.W., T. Tickle, J.W., H. W. Roach, L.R. Treas., J. B. S. Lancaster, L.R. Sec., A. W. Waring, S.D., A. J. Bullen Cooper, J.D., J. H. Arrow, P.M. D.C., R. A. Jones, A.D.C., A. O. Jones, I.G., E. J. Millard, Almoner, F. Bascombe, L.R., F. S. Horsey and F. G. Skelsey, Stewards, and H. Passenger, Tyler. Among the guests were Bro. and Mrs. A. P. Atkinson, Mrs. F. Bascombe, Mr. Bremridge, Dr. Carmody, Bro. and Mrs. A. J. Chater, Mrs. G. R. H. Clark, Bro. F. M. Fisk, Bro. N. S. Goodyer, Bro. and Mrs. G. F. Westlake, Mr. and Mrs. E. White, and Mr. and Mrs. Woolcock. After dinner and the toast of "The King," the W.M. gave the toast of "The Ladies," to which his wife replied, thanking the members of the Lodge for their kindness in presenting her with a handsome bouquet and for inviting ladies to take part in a most enjoyable evening. To the toast of "The Visitors" Mr. E. White replied. Bro. G. R. H. Clark gave the toast of "The W.M.," and in replying Mr. Harrington thanked all those who had assisted him in arranging that function, especially Mr. Lancaster, Mr. Bascombe, and Mr. Clark, who had arranged the musical programme by Miss Grace Ivell, Miss Doris Clayton, Mr. D'Arcy Woolven, Mr. F. C. Hennequin, and Mr. Herbert Collings. Each lady in the company was presented with a handsome Japanese metal box, containing two packs of playing-cards, as a souvenir of the occasion.

Chemists' Assistants' Association Reunion.

MR. CHARLES WILLIAM MARTIN (of Maw's) presided at this popular annual event, which was held in the Crown Room of the Holborn Restaurant, London, on Thursday, November 7, and he piloted a most entertaining and successful evening. Mr. Martin had at his table Mr. Phillips (President of the Association), Messrs. T. W. Dunlop, Sherman, Partridge (Brand & Co.), Quibbell, Whittemorris, Page, and others. The company was seated at numerous round tables throughout the room, several of which were appropriated to special firms, such as Messrs. Allen & Hanburys, the Apollinaris Co., Brand & Co., Burroughs Wellcome & Co., Sangers, and A. M. Zimmermann & Co. Among those present we noticed Messrs. Ashton (Idris & Co.), W. S. Boyack (Squire & Sons), E. H. Brittain (Pritchard & Constance), Charles Brooks, Lionel Cooper, Alan Francis, B. A. Green (A. M. Zimmermann & Co.), W. F. Gulliver, H. Hickey, Crossley Holland, S. Jamieson, Kutnow, Latreille, T. E. Lescher, Harry Martin, W. Mosley, C. G. Presant (Sangers), I. L. Read (John Timpson & Co.), Rickford (Allen & Hanburys), W. Sharpe Gill (W. J. Bush & Co.), Shilcock (Meggeson & Co.), G. A. Tocher, and G. S. V. Wills. We had an interesting chat with M. Ludinot, a pharmacien now representing Messrs. Menley & James in Paris, who recalled his first visit to 42 Cannon Street some twenty years ago, when he was in search of English experience. The company consisted largely of well-groomed and smart-looking young men, but there was a gradation in ages right up to the septuagenarian, and all seemed to enter heartily into the evening's amusement. Messrs. F. Naylor, W. Roberts, W. P. Styles, A. Haigh, and R. W. Warrick acted as stewards. The programme was arranged by Messrs. Harry Hall and Walter

Morrice, and Mr. A. R. Arrowsmith (of the Apollinaris Co.) acted as musical director. The programme had not been more than tapped when "Encore!" became the rule, so that it was shortly after ten before an interval was taken, and after it the Chairman, in a brief speech, recalled some observations that he had made at the last concert, when he appealed for more generous support of the Association. His remarks have borne good fruit, for whereas there were only eighty members at the beginning of this session, there are now 150. Mr. Martin strongly appealed to each one of the company to use his best efforts to bring the membership up to 200. The contributors to the programme included Messrs. Walter Morrice, Frank A. Hoare, W. Aspinell, Charles Wreford, Fred Curtis, Frank Hook, Lauri Wylie, Harry Hall, and Jock McCallum. Miss Amy Brook and Miss Rosa Loder were also on the programme. Before the company separated Mr. Phillips proposed a hearty vote of thanks to Mr. Martin, which was most cordially given.

Bradford Pharmacists' Dinner.

THE fifteenth annual dinner of the Bradford Pharmacists' Association was held on November 13 at the Great Northern Victoria Hotel, when a large company of the members sat down under the chairmanship of the President (Mr. Marmaduke Firth). The toast of "The Visitors" was taken first, and it was responded to by the Lord Mayor (Alderman Foster). Mr. S. R. Mundell and Mr. Geo. Brown also responded briefly. Mr. G. Penty proposed the toast of "The Pharmaceutical Society," and Mr. E. T. Neathercoat, in responding, said it is impossible for anyone to foresee what the effect of the National Insurance Act will be upon pharmacy, but the Council of the Society have been working at great pressure on this subject, and they had been able to do a great deal for pharmacy. They had been able to secure the acceptance of the pharmaceutical clauses by the Government, and these were of the greatest importance. For the first time in their history they had got definite recognition of the position of the pharmacist by the Government, and that is a great step in advance. They claimed that pharmacists had been distinctly reasonable both in their claims and in their action, and they thought that that had been the best course to take. The issue of the regulations just published showed that the Chancellor of the Exchequer had duly carried into effect the understanding as to the separation of prescribing and dispensing. These regulations had been strictly formed according to the Act itself, and therefore they did not contain anything worse than the Act itself, and they might have been infinitely worse because the power of the Commissioners to vary had been almost unlimited. The one dark point on the horizon was due to the fact that medical men now claimed to dispense medicines for their patients if they desired, and that was certainly not the intention of the Chancellor of the Exchequer or of Parliament when the Act was passed. If the dispensing was handed over to the medical profession it gave away the main principle on which the Act was founded. Mr. Neathercoat urged pharmacists to make the most of the opportunities offered because of the great principle at stake. Other toasts were spoken to by Mr. Clement Fielding and the President.

Pancreatic Treatment of Cancer.

DR. J. BEARD, Edinburgh, whose advocacy of the enzyme or pancreatic treatment of cancer has met with so little response, claims in a letter to the "British Medical Journal" to have evidence of cures which have remained for some years. He gently chides the medical profession for the chilling reception the method has received. For the first time in the history of the pancreatic treatment of cancer preparations of optimum strengths, injections of trypsin (1,250 units) and of amylopsin (500 units), which fulfil in every respect the scientific requirements of the treatment, were, he states, put on sale in April 1912 by a celebrated firm of specialists in ferment preparations, but the sole inquiry he has received concerning them in this country has been from a relation of a patient suffering from cancer of the liver as to "whether or not the treatment was dangerous to the patient. . . . All the evidences for the truth of the case of recurrent sarcoma are in existence; they will bear any test; they cannot be explained away; and, perhaps because these evidences will bear examination, no medical 'authority' dare undertake their examination. Presumably this is 'medical science' in 1912. But things are moving, and it does not appear likely that the medical profession will have long to wait before witnessing other astounding evidences of the possibilities and potentialities of the new '1912' injections, as I term them."

Select Committee on Patent Medicines.

Appointed by the House of Commons to inquire into the sale of patent and proprietary medicines and medical preparations and appliances, and advertisements relating thereto.

Record of Evidence given on November 14.

AS far as attendance is a gauge the interest in this inquiry is growing. Sir Henry Norman and Mr. Harry Lawson walked into the Committee Room together a few minutes before 11.30, and it was a quarter of an hour later before the doors were opened to the public. Then it was seen that the members of the Committee present were, in addition to the Chairman, Sir Henry Dalziel, Mr. Bathurst, and Mr. Newton on his right, and on his left were Sir Philip Magnus, Dr. Chapple, Mr. Cawley, and Mr. Lawson. Later Mr. Glyn-Jones and Mr. Lynch came in. All the public sitting accommodation was filled, and some had to stand. Among those present were Sir Joseph Beecham, Mr. E. J. Bevan, F.I.C., Mr. Richard Bremridge and two of his staff, Mr. F. W. Fletcher, F.C.S., Mr. John Lawson, Mr. John Murison, Mr. John C. Umney, F.C.S., Mr. Edwin S. Waring, Mr. W. H. Woodward, and Mr. McKenna, solicitor to the Proprietary Articles Section of the London Chamber of Commerce, with several members of the Section.

The whole of the sitting was devoted to the examination of Mr. C. H. Ratcliffe, of Seigel's, but it was adjourned quite early (1.55 p.m.) owing to the members of the Committee having "an engagement in another place." Before Mr. Ratcliffe was called to the witness chair Sir Henry Norman referred to the

ACTION OF THE LIVERPOOL CORPORATION

regarding the sale of proprietary medicines.* With reference to this he said that in the course of the evidence statements had been made with regard to the action taken by the Liverpool Corporation as to the sale of certain patent medicines. Professor Dixon, in his evidence on October 30, had said that if the law as it existed were put into action he thought that the existing evil might be mitigated very considerably. The Merchandise Marks Act gave power for public authorities to prosecute in cases in which statements were made about a substance which was obviously fraudulent. He had added that the Liverpool Corporation took action and had had several people fined, and had suggested that it would be the beginning of better things if other public bodies took similar action. The Committee had communicated with the Liverpool Corporation and had received a letter from Dr. E. W. Hope, the medical officer of health. Dr. Hope stated that in 1907 the Health Committee of the Corporation of Liverpool had asked for information relating to the sale of proprietary medicines, and analyses had been made of a number of such articles. The annual report was enclosed giving the results of some of the analyses, and showing that in connection with one of them, Guy's Tonic, information was laid against a vendor on the ground that the printed advertisement said that Guy's Tonic contains the natural ingredients and digestive qualities of gastric juice in a highly concentrated and permanent form. Dr. Hope enclosed the label used then and the label now used, from which it appeared that that claim is now no longer made. The analyst's certificate was enclosed. This set forth in percentage terms the proportions of phosphoric, hydrochloric, and nitric acids present, and stated that besides the preparation contained a trace of calcium phosphate, chloroform, and some vegetable aromatic bitter tincture, colouring-matter, and water, but no gastric-juice contents other than hydrochloric acid. The report proceeded to say that the price of the mixture was 2s. 9d. a bottle, and the value about one penny. The prosecution before the Magistrate had failed because it had not been possible to prove guilty knowledge on the

part of the defendants, Boots Cash Chemists, Ltd., who had sold the bottle, and the defendants had been allowed five guineas costs. No further proceedings had been taken. Dr. Hope had added that the Committee would, of course, be aware that patent medicines were exempt from proceedings under the Sale of Food and Drugs Acts.

BIG BEN STRUCK TWELVE

as Mr. C. H. Ratcliffe, joint managing director of A. J. White, Ltd., took his seat in the witness-chair for the purpose of cross-examination by members of the Committee.

He was questioned by the Chairman with regard to the sale of Seigel's Syrup in Germany, and stated that since the company was floated as a public company in 1897 no effort had been made to establish the sale of Seigel's Syrup in that country, and for that reason he had no occasion to inquire into the German law affecting the sale of patent medicines.

The Chairman: It is rather curious that you, as managing director of this great firm, should be unaware of the conditions under which your medicines can be sold in one of the chief countries of the world?—Witness: I do not think so, because if we were to attempt to create a sale for Seigel's Syrup in Germany, a country with a population of over sixty thousand—"Millions," said the Chairman—thank you, millions, we should have to risk at least 75,000% to 100,000% upon the venture before we could hope to establish a business there. Naturally in developing our business we have followed the line of least resistance.

So little have you cared to develop that market that you have not informed yourself as to the state of the German law?—We have not the cash available for the development of that market.

You are not aware, then, as managing director of the firm dealing with this proprietary medicine, that a certain law affecting that medicine with others was passed in Germany in 1903?—Certainly not, until I had the information from you last week.

Although a page was devoted to it in THE CHEMIST AND DRUGGIST of July 25, 1903, an important organ which I suppose is constantly before your notice?—I do not read it regularly, though we get copies of it regularly.

You did not know this, although a page was devoted to it in which your medicine was mentioned?—I was not in a managerial position at that time, but had charge of the advertisements.

You are unaware that in THE CHEMIST AND DRUGGIST on August 3, 1907, a greater part of another page was devoted to the alteration of the German law, in which again your medicine and pills were mentioned by name?—Witness: Yes.

You are entirely unaware of that alteration in the law, although the fact was published in the leading organ of chemists and druggists, and considerable space was given to it?—I must maintain that position.

The Chairman expressed surprise, then called the attention of the witness to the fact that at the last meeting of the Committee he had said that "Mother Seigel" was simply a fancy name chosen to distinguish the product.

The Chairman: You have never heard of an actual Mother Seigel, have you?—Since Wednesday week our chairman, who was acquainted with Mr. White and other men who founded the business, seeing that I had made that statement, has told me that Mr. White and his partners in the business in America constantly maintained that there was a Mother Seigel. Whether there was or not, of my own knowledge I cannot say. Certainly I should never dream of saying that in an advertisement without satisfying myself that it was true, and no such

* Full reports of this matter will be found in the volumes of THE CHEMIST AND DRUGGIST for 1907.

reference has been made since the company has been an English company.

When Seigel's Syrup was put on the market nearly forty years ago by A. J. White a booklet was circulated broadcast in which the history was purported to be given to this effect :

"An old woman, Mother Seigel, on her last legs with dyspepsia, given up by her relatives, was allowed to wander in the lanes around a village in Germany. One day she chewed the leaves of a herb only found in those parts, and found immediate relief."

Are you aware of that statement?—Witness said he was aware that statements of that sort had been made by the founder of the medicine forty years ago in America. He could not agree to the suggestion that the business was largely founded on a false statement. No such statements had been published since he had been responsible for the business.

There was considerable fencing between the Chairman and the witness before this definite answer was given. Sir Henry Norman read the questions put last week, and the answers given, from which he remarked it was to be conjectured that witness assumed that the original statement as to the origin of the name was false. Witness intimated, however, that what he meant was that he did not from personal knowledge know that "Mother Seigel's Syrup" was other than a fancy name. It was a pretty bit of fencing, and the more one looked at the witness and his examiner the more one noticed a facial resemblance between them, and a similarity in manner—both being incisive and emphatic. At last Sir Henry Norman remarked, "In your opinion the statement was a false statement. I have no further questions to ask you."

Sir Philip Magnus next put a question or two to the witness about the composition of Seigel's Syrup, Mr. Ratcliffe again assuring the Committee that it is the same now as it was at first.

THE MEDICAL MEMBERS

next took the witness in hand, Dr. Chapple being the first to pelt him with pharmacological, physiological, and therapeutic questions. First he wanted to know about the eleven ingredients that are in it. What are they?—Every one of them, replied Mr. Ratcliffe, can be found in any English wholesale price-list, either as extracts or original drugs. Dr. Chapple asked if he had obtained the consent of his fellow directors to submit the formula of the syrup to the Committee. "No," replied the witness. "We are the trustees for over 3,000 shareholders, and we regard the formula as a most valuable asset. It is impossible to disclose it." In every 230 gals. of Seigel's Syrup, he proceeded, there are 181 lb. of solid vegetable extracts. He did not think it would benefit suffering humanity to disclose the formula, because it was much better that the public should get the ingredients as a standard preparation rather than having the preparation made differently by thousands of chemists. Next Dr. Chapple inquired in regard to the discovery of the remedy; was it made from a doctor's prescription?—The hon. member labours under the impression that most proprietaries are so made. Mr. Ratcliffe said he did not know. Then the Doctor suggested that a doctor's prescription is taken and ingredients added to it to obscure the real active ingredients; was not Seigel's Syrup something like that?—"No," said the witness with emphasis. Still the Doctor kept at this point, questioning the rectitude of claiming exclusive rights for a preparation of drugs commonly known and used. Witness gave a definition of proprietary rights, remarking that the combination and the manner of preparation are the basis of these.

DYSPEPSIA

proved a subject fruitful of possibilities to the medical examiner, and Dr. Chapple began to put questions about acid dyspepsia, alkali dyspepsia, and others, when the Chairman intimated that the witness had been told not to go into too much detail as to things like that; but the worthy Doctor kept on asking the witness if it was not ridiculous to attempt to cure acid dyspepsia with an acid—there is hydrochloric acid in the syrup. Mr. Ratcliffe replied that they based their assertions on forty years' experience, and he could produce testimonials for everything they said. He admitted that it would not cure all

cases of dyspepsia. It would not cure dyspepsia caused by cancer of the stomach. He did not agree that it was an exaggeration to claim that it cured dyspepsia.

Nervous dyspepsia was next touched upon, and Dr. Chapple, reading the analysis in "Secret Remedies," asked witness which ingredient did that, and witness, shrugging his shoulders, reminded his questioner of the Chairman's hint, adding that he is not a medical man. "The syrup is still largely advertised?" "Yes."

And you say it would take 100,000*l.* in advertising to establish it in Germany?—No; to found the business. We have to advertise because there is competition to be met; if that were not so, they could cut down their advertising bill by 75 per cent. But advertising alone did not bring the business. The merits of the article sell it. Germany is a case in point, and, witness added, if they ceased to advertise now they would have a large sale of their remedy for twenty-five years. The same conditions apply to other popular articles, and he named Sunlight Soap and Worcester Sauce as examples of good things that have to be advertised. He agreed that the statements in advertisements should be true, but thought they should be interpreted as the mind of the public would interpret them. He did not think the public would get Seigel's Syrup as cheaply if it was made up by a chemist. The price of the constituent parts given in "Secret Remedies" was ridiculous, he declared, when Dr. Chapple quoted the $\frac{1}{3}$ *d.* and 2*s.* 6*d.* statement, and witness in the most emphatic manner pointed out to the Committee how unfair "Secret Remedies" is. He read from the preface the statement about the cost of bottles, labour, and other things having to be added to the estimates given in the body of the book, and called the Committee's attention to the purpose of this method of treating the matter, reminding them that apart from this the analysis of Seigel's Syrup is ridiculously incorrect, and omits eleven ingredients. On the cover of the book, he remarked, it said, "What they cost and what they contain," which also is misleading, and is a mere catch intended for the public.

The Chairman intervened, remarking that he saw no grounds for the charge of misstatement.

Continuing his answers to Dr. Chapple, witness said A. J. White, Ltd., could make Seigel's Syrup cheaper than anybody, and there was a little more about putting common things together and claiming proprietary rights for them—in order to get a higher price for them from the public. Again witness reminded the Committee of Worcester Sauce. Asked if he had any changes in the law to suggest, he stated that he approved of the suggestions made by the Proprietary Medicines Section of the London Chamber of Commerce.

Dr. Chapple was quite flushed by the time he had finished. There was a little competition between Mr. Lawson and Mr. Lynch as to who would next question witness. Mr. Lynch had come in while Dr. Chapple was "on the job," thus losing his turn. Mr. Lawson was anxious to go to a Grand Committee, but when a fellow-member told him it had risen he told Mr. Lynch to go on. We may recall the fact that Mr. Lynch is a civil engineer, but a few years ago took the English double qualification, and is quite eager in regard to medical matters.

In reply to Mr. Lynch, who pointed out that Seigel's Syrup is sold as a cure for dyspepsia without any qualification, Mr. Ratcliffe asked in turn, "But how will the public interpret that?"

Mr. Lynch: I suggest that is the reason why you leave it vague?—That is not true. There are several varieties of indigestion, but we do not give the particular medical term for each. He added that the remedy acted in a general way, and gave relief whatever the cause might be. If people tried it and failed to get relief they would go to a doctor, and in some cases people who went to a doctor and failed to obtain relief would get it through Seigel's Syrup.

Sir Henry Norman intervened once or twice in the questioning to say that the witness had informed the Committee that he could not deal with medical matters, this, no doubt, referring to the somewhat technical nature of Mr. Lynch's questions. In reply to Mr. Lynch that his company had no definite information of harm being done

by Seigel's Syrup, he had also to answer questions about the liver, Mr. Lynch being curious to know how the syrup could cure deficiency of bile, as well as an excess thereof; then the pancreas and the kidneys were introduced, the witness stating that the testimonials received by the company showed that the syrup did good in ailments of these organs.

Sir Henry Norman (intervening) asked: "Were not these claims made before you received these testimonials?"

—Witness hesitated to reply, then answered in general terms.

"Yes or No?" asked Sir Henry.

Witness: I assume so.

Mr. Lynch next asked questions about how the syrup was discovered—accident or design? Why the company did not get expert advice?—It had, and eminent doctors, while recognising the usefulness of the preparation, could not account for its action. "But they could not tell how it acted on the pancreas?" asked Mr. Lynch, with an arch smile, and he proceeded to examine further the Seigel advertisement, and its statement regarding it being an antidote to the poisons which produce the disease. "If the poisons are not there, the antidote will be a poison itself, won't it?"—Witness again gave one of his significant shrugs; then once more he had to go through the "Secret Remedies" allegations, and finished up by stating that the Seigel business is carried on purely as a commercial venture.

LEGAL AND OTHER CONSIDERATIONS.

To Mr. Cawley, witness said the proprietors did not buy herbs only found in Germany, and the statement made originally forty years ago was false. The analysis given in "Secret Remedies" of Seigel's Syrup is grossly misleading, but the firm were advised that they could not bring an action for ordinary libel against the British Medical Association. Moreover they could not have satisfied a Judge and jury that the formula was materially inaccurate without disclosing the correct formula. He was prepared to confer with the board of the company in regard to a suggestion as to whether it would not be possible to submit, under a pledge of secrecy, the formula to the Government analyst, in order that he might satisfy the Committee as to the correctness of the statement that it contained eleven vegetable extracts.

The Chairman observed that Mr. Cawley's suggestion would require to be conferred upon and agreed to by the Committee as a whole before it could be put into effect.

Witness said that a large part of the expense of putting proprietary remedies on the market is due to advertising; but the very fact that an article would bear for forty years that large expenditure is proof that it has some worth. None of the drugs in Seigel's Syrup are useless; if they were the proprietors would save the expense of putting them in. There was no more harm in their advertising than in saying So-and-so's teas are the best.

Answering Mr. Lawson, witness remarked that a certain exaggeration was inseparable from advertising, whether it relates to teas, motor-cars, or medicines.

In your opinion has not there been some undue importance attached in advertisements of medical preparations to the word "cure"?—Yes. "Cure" really stands for remedy.

Witness said that in the case of all medical preparations it is the advertising and establishment charges which count, rather than the cost of ingredients.

Therefore it is not quite fair to take the cost of the ingredients and say that that represents what the cost of the preparation should be?—No.

Do you think there would be anything unfair in local authorities taking action in regard to your remedy similar to that taken by Liverpool Corporation in the case of Guy's Tonic?—I should feel very comfortable as to the result.

Witness said that he did not object to the law being strengthened so as to put down fraud and impropriety.

In reply to Mr. Newton, witness said the cost of advertising is constantly increasing. Competitive advertising makes that necessary, and the sales do not increase correspondingly. He should not care to say how many pounds' weight

or the value of the vegetable products used annually in the manufacture of Seigel's Syrup, for if he did that it would be possible to determine how many gallons of it were sold, and he did not wish to give that information. He thought it was quite proper for a patent medicine to hold itself up as a general remedy in the way in which his firm did. He amended this statement in reply to another question by saying that no patent medicine should claim to cure all diseases, but he thought it is common knowledge that most minor ailments are due to some small disorders of the stomach, bowels, and liver. In reply to further questions, witness said that testimonials are unprovoked in the sense that they always originate from voluntary statements of users of Seigel's Syrup. They are never paid for, but occasionally a complimentary bottle of Seigel's Syrup may be sent to the customer who often has to answer inquiries from the public regarding the testimonial. The medical knowledge of the public is not profound, but he did not agree that the statements in the company's booklet disclosed a state of the blind leading the blind.

The Chairman stated that other members of the Committee desired to ask important questions, but as the members of the Committee had an important engagement in another place in a little over half an hour, the Committee would adjourn until next Thursday.

Mr. Glyn-Jones asked the witness if he would look through the whole of the matter relating to his remedy in "Secret Remedies," and tell the Committee next week whether there was a single definite statement of fact which he was prepared to deny. It might be convenient for him to obtain legal and other advice with regard to that.

The Committee accordingly adjourned at two o'clock.

NEW BOOKS.

Any of these books printed in the United Kingdom can be supplied, at the published price, to "C. & D." subscribers on application (with remittance) to the Publisher, 42 Cannon Street, London. E.C. These notes do not exclude subsequent reviews.

Barnett, E. de Barry. *The Preparation of Organic Compounds*. 8x5½. Pp. xvi+310. 8s. 6d. net. (Churchill.) [Contains chapters on apparatus, methods of manipulation, reagents; the hydrocarbons; the halogen compounds; the alcohols, phenols, and mercaptans; the aldehydes, ketones, quinones (and quinoneimides), and some derivatives of the same; the ethers and sulphides; the carboxylic acids, their anhydrides and esters; the nitriles or cyanides; the nitroso- (and iso-nitroso) and nitro-compounds; the amino-compounds; the diazo-, diazoamino-, diazoimino-, azo-, azoxy-, and hydrazo-compounds; the sulphinic and sulphonic acids, and miscellaneous types.]

Bolton, E. R., and Revis, C. *Fatty Foods*. 8½x5¼. Pp. x+371. 10s. 6d. net. (Churchill.) [After a general introduction, the subject is dealt with under the following headings: General analytical methods; analytical procedure and its interpretation; beef-fat, lard, butter and margarine, ghee; vegetable oils and fats; rancidity; cocoa, chocolate and milk-chocolate; feeding-stuffs and milk. An exceptionally well-arranged book.]

Harper, C. J. S., ed. *Decisions of the English, Scottish, and Irish Courts under the Medical Acts, 1858 to 1886, and the Dentists Act, 1878*. Collected and arranged with introduction and notes. 8vo. 10s. 6d. net. (Constable.)

Jarvis, T. C. *Income-tax*. 10x6. Pp. xxxii+225. 6s. net. (Effingham Wilson and Stevens & Sons, Ltd.) [Consists of a preface, table of cases, table of statutes, and introduction, followed by eleven chapters tracing the tax from its foundation, showing the effects of amendments and Court decisions. The greater part consists of the statutory forms. The book is marred by digressions into expressions of opinion which are not forensic.]

Walker, P. H. *Some Technical Methods of Testing Miscellaneous Supplies, including Paints and Paint Materials, Inks, Lubricating Oils, Soaps, etc.* Bulletin 109, U.S. Department of Agriculture, Bureau of Chemistry. (Government Printing Office, Washington.) [This is a reprint of the Bulletin which was first issued in 1908. The methods given are those used by the U.S. Government chemists in testing materials supplied to the various Departments.]

DENTAL NOTES.

Use of CO₂.

To RELIEVE the pain of the insertion of the hypodermic needle, if the skin is first frozen for a few seconds with a pencil of carbon-dioxide snow no sensation is felt whatever.

Mouth-wash after Extractions.

HOT SALT WATER, used freely and frequently after an extraction, allays pain, arrests hemorrhage, and hastens the healing process. This mouth-wash is always available, inexpensive, and quite inoffensive.—*Le Laboratoire et le Progrès Dentaire*.

Care of the Mouth.

HERMANN PRINZ, in the "Interstate Medical Journal," states that the authorities differ widely as regards the ideal oral antiseptic. A mild antiseptic effect is obtained from physiological salt solution heated to body temperature. To sterilise the oral cavity completely is both impossible and inadvisable, powerful antiseptics tending to injure the tissues. Experience and research have shown that a solution of alcohol, hydrogen peroxide, resorcin, and zinc chloride, in carefully adjusted proportions, with the necessary flavouring-agents, not only produces the desired results, but conforms to the taste of most patients, consequently ensuring continuous use:

Resorcin	...	...	...	5j.
Zinc chloride	...	...	...	gr. x.
Menthol	...	...	...	ʒj.
Thymol	...	...	...	gr. xv.
Oil of wintergreen	...	...	...	ʒxv.
Rectified spirit	...	...	...	5ij.
Hydrogen-peroxide solution (10 vol.)	...	...	...	5iij.
Water to	...	...	...	5viij.

One teaspoonful of this is to be added to half a tumblerful of warm water, and the resulting solution used as a mouth-wash and gargle. Each mouthful taken should be gargled with for from one-half to one minute, and the fluid forced between the teeth. In conjunction with the wash a suitable tooth-powder should be employed, as, for instance, the following:

Precipitated calcium carbonate	5ij.
Powdered Castile soap	5j.
Oil of peppermint	ʒxxx.

The mechanical application of the brush, tooth-pick, floss silk, etc., is also important. The gums should receive additional attention by light massage with the wet fingertips, a rotary movement being employed.

Action of Iron on the Teeth.

DR. PRENTISS, of New York, writing to "Dental Cosmos" on "the effects upon the teeth of the administration of iron, acids, etc.," states that in his investigations he has endeavoured to find out which preparations of iron are most commonly prescribed which have the most injurious effect on the teeth, and what precautions, if any, are taken to prevent injury to the teeth. The conclusions come to are that iron, as iron, has no injurious effect on the teeth, excepting, perhaps, slight discoloration, but that it is the acid preparations of iron which injure or corrode the teeth. Practically all agree that the tincture of ferric chloride is the most injurious to the teeth, and, curiously enough, this seems to be the preparation which is most frequently given. Dr. Weld, in a series of experiments (1836) with this tincture, found that the full-strength tincture had very little effect on the teeth, but that diluted with 2 drachms of water to 1 oz. of tincture the entire enamel of the teeth was destroyed in twenty-four hours. These experiments have since been verified, and it is interesting when we know that many doctors rely on dilute doses in trying to preserve the teeth. The action of the acid is to decalcify and break up the enamel. Into these fissures food lodges and decomposes, fermentation begins, and this, with the recurring acid at each dose of the medicine, further breaks up the tooth until it is entirely eaten away. The next most injurious preparation of iron seems to be the syrup

of iodide, followed by all the other liquid preparations. Iron in the form of pill, such as Bland's, or in capsules, etc., does not injure the teeth, and as these can be administered quite satisfactorily and with the same result as the liquid forms, they should be prescribed in every case. The glass tube, rinsing the mouth, and dilution of the preparation seem to be the most popular methods of preventing injury to the teeth. The glass tube is now known to be of little value in keeping the solutions from coming in contact with the teeth. It would seem that if iron must be given in liquid form a thorough brushing of the teeth and rinsing of the mouth afterwards with some strong alkaline mouth-wash is the utmost that can be done.

CHEMISTS' WINDOWS.

New ideas for dressing windows are invited. Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.



A Novel Erasmic Display.

THE window display depicted above is one by Mr. A. E. Ashworth at the pharmacy of Mr. William Wells, chemist and druggist, 69 Higher Eanam, Blackburn. Advantage was taken of the holiday season to remind onlookers to enjoy "Blackpool at Blackburn" by using Erasmic soap. The central showcard calls attention to this after the passer-by has been pulled up by the moving models made of Erasmic soap-boxes to represent the Tower and Big Wheel at Blackpool. The large wheel slowly revolved, and the lift in the tower was represented by the box of soap which ascended to the top of the model and stopped before descending. Power for working the models was derived from an electric motor in the cellar, the chief trouble being to gear down sufficiently. The models worked continuously for three weeks without trouble except for an occasional lubrication of the wooden bearings. The central showcard also informed the public that Erasmic soap "brings back the roses and freshness to the cheeks," the statement being backed by the well-known Erasmic picture draped with leaves and marguerites, the latter being in keeping with the picture. The window-bottom was filled with tablets and boxes of Erasmic soap. White satin was used as a background to hide the pulleys, the dead white being relieved by bunches of violets and showcards. The draping around the window was of white muslin caught up with blue ribbon holding bunches of variegated sweet-pea flowers. The upper part of the window was filled with four palms, and the letters thereon were cut from white paper. The display gained a special prize of 2*l.*, and proved a splendid customer-bringer.

MR. CHAS. BROOKS (American Drug-stores Co) has disposed of his retail business at 36 Cranbourn Street, London-W.C., to Mr. W. R. Hart, chemist and druggist, 42 Shaftesbury Avenue, W.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., November 14.

THE week under review has been extremely slow so far as the sale of drugs is concerned, and the dull tone which prevailed at the auctions to-day was not surprising. On the other hand, the activity in heavy chemicals is well maintained at various centres. The outstanding features include an advance of 1s. 2d. per oz. in cocaine, and one of 3l. per ton. in c.p. British glycerin. Menthol has now reached 2l. per lb. on spot, and c.i.f. prices have also advanced. Japanese peppermint oil is dearer. Quinine has met with more demand at firmer rates. On the easier side are cassia and castor oils, lead compounds, milk-sugar, quicksilver (seconds), and shellac. Vanilla, linseed oil, and tin crystals are cheaper. The German bromine and bromide Conventions have been renewed for a further three years, which means the elimination of outside selling. Cod-liver oil is flat. Hellebore-root is dearer, and opium very firm. Potash prussiate is firmer, prompt delivery being very scarce. Morphine is nominal, makers not being sellers. The principal changes, including those taking place at the drug-auctions, are as under :

Higher	Firmer	Easier	Lower
Cocaine	Orange oil	Aloes (Cape)	Balsam tolu
Eucalyptus oil	Potash	Cassia oil	Ipecacuanha
Glycerin	prussiate	Castor oil	(Minas)
Hellebore-root	Quinine	(Eng.)	Linseed oil
Kola	(sec. hands)	Gamboge	Sarsaparilla
Menthol	Senna (T.V.)	Lead	(grey Jam.)
Nutmeg oil	Zinc salts	compounds	Tin crystals
(exp.)		Milk-sugar	Vanilla
Peppermint		Quicksilver	(shorts)
oil (Jap.)		(seconds)	
		Shellac	

Cablegrams.

NEW YORK, November 14.—Opium is 10c. firmer at \$7.10 per lb. for druggists' in original packages. Peppermint oil in tins has an easier tendency, but is quotably unaltered at \$2.80. Hydrastis (golden seal) has declined to \$4.20 per lb. Round buchu-leaves are a shade easier at \$1.60 per lb. Mexican sarsaparilla is cheaper at 14c., and spearmint oil has been advanced to \$4.80. Cascara sagrada is steady at 8c., and Central and South American copaiba is quiet at 47c. per lb.

AMSTERDAM, November 7.—At the auction of cinchona held here to-day 16,465 packages were offered, of which 6,160 packages sold at the average unit of 4.24c. per half-kilo., against 4.26c. at the October auction. The approximate quantities of quinine purchased were as follows: (1) The English and American factories, 6,177 kilos.; (2) the Brunswick factory, 3,511 kilos.; (3) the Mannheim factory, 5,540 kilos.; (4) the Amsterdam factory, 93 kilos.; (5) the Frankfort and Stuttgart factories, 5,730 kilos.; (6) the Maarsen factory, 3,851 kilos.; (7) various buyers, 5,447 kilos. The prices paid for manufacturing bark ranged from 9c. to 38c. per half-kilo., and for druggists' bark from 2c. to 44½c. The 1,190 packages (66,436 kilos.) Java coca-leaves offered sold at from 4½c. to 70c. per half-kilo., the average unit being 32.83c., against 28.62c.

London Markets.

ANISE OIL (STAR) is steady at 6s. 8d. per lb. spot for "Red Ship" brand, and 5s. 9d. to 5s. 10d. c.i.f. is quoted for distant shipment.

ANTIMONY.—In September last we drew attention to the improved outlook for antimony and the possibilities of the market. The price has since been lifted very substantially to about 40l. per ton for English regulus, which is some 12l. above the average for the last few years. The general trade demand has been fairly brisk throughout the past month, and although it has quieted down somewhat since, the tendency of prices is still upward. Some second-hand parcels have lately been offered for re-sale, which were acquired at much lower than current prices. Foreign refined is offering in moderate quantities at about a couple of pounds or so below the prices now quoted by home refiners—38l. to 40l. per ton according to position. The latter have apparently already contracted for the bulk of their output for several months to come and maintain a reserved attitude. Consumers who were in more recent years accustomed to fill their requirements from hand to mouth at and below 30l. per ton have in consequence of the rapid rise shown more inclination to lay in a little stock, and dealers having done likewise, the quantities now actually available for sale are limited. Consumption has undoubtedly increased, but production should now be stimulated by the more reasonable prices ruling compared with the low level of recent years.

ASAFFETIDA.—Some 250 packages of new arrivals from the Persian Gulf will be offered at the auctions of November 23, including some good quality.

BROMIDES.—We understand that both the German Bromine Convention and the German Bromide Convention have been renewed for a further three years, and that the agreement will be concluded on November 16. There is a proviso in the agreement to the effect that any of the parties to the Conventions may give notice to terminate the agreement if they find that, as a consequence of the inclusion of new works, their quota or allotment has fallen by 20 per cent. It has been common knowledge for some time past that "outsiders" had been offering bromides below Convention rates, but we now learn that these outsiders have been absorbed. The official price of potassium is 1s. 6½d. net in 1-cwt. lots.

CAMPOR (REFINED).—The sales include 100 cases Japanese refined 2½-lb. slabs at 1s. 5½d. per lb. c.i.f. terms. Refined German flowers are quoted 1s. 6¾d. per lb. net ex wharf in 1-cwt. cases.

CAMPOR OIL.—The *Atsuta Maru* has brought 380 cases from Kobe.

CANTHARIDES.—Russian are quoted 3s. 6d. per lb. c.i.f. London.

CASTOR OIL.—English is 5s. per ton easier at 32l. for finest medicinal quality in barrels for the last half November-December delivery, firsts being 29l. 10s. per ton, cases 50s. per ton extra, delivered free on wharf London. Belgian is quoted 29l. 10s. in barrels prompt and forward, ex wharf London; in Liverpool good seconds Calcutta is 3½d. per lb. ex quay.

CHAULMOOGRA OIL.—To arrive 3s. 3d. per lb. landed terms is quoted.

CHIRETTA is obtainable at 4½d. per lb. on spot.

CITRIC ACID is quiet at 1s. 4¾d. for English, and 1s. 4½d. to 1s. 4¾d. for foreign.

CLOVE OIL is very firm at 4s. 11d. per lb. for 12 W. qts., 5s. for six W. qts., and 5s. 1d. for less.

COCAINE.—The makers announce an advance of 1s. 2d. per oz. in hydrochloride, the quotation for 175-oz. lots on contract being 7s. 9d. The makers who are outside the Convention now quote 7s. 7d. Secondhands offer at 7s. 5d., less 5 per cent.

CODEINE, like morphine, remains very firm, with sellers at 16s. 10d. per oz. in small lots.

COD-LIVER OIL.—Our Bergen correspondent, writing on November 11, reports a flat market, at the nominal quotation of 66s. per barrel c.i.f. for finest non-congealing oil. The total exports from all Norway from January to the end of October amount to 49,500 barrels. In London the

range of quotations is now in closer compass, with sellers at from 65s. to 67s. 6d.

COPPER SULPHATE is unaltered at 24l. 17s. 6d. per ton for prompt delivery of the usual Liverpool brands, and at 25l. 7s. 6d. for March-April delivery.

ERGOT.—Privately, November-December shipment from Russia is quoted 4s. 7d. c.i.f. terms. Another quotes 4s. 6d. c.i.f. Spanish is offered at 6s. 3d. spot for sound. In the drug-auction a single bag of wormy Russian sold at 4s. per lb., and five bags of fair small Russian were bought in at from 4s. 6d. to 5s. per lb. Fair sound Spanish was limited at 6s., and sifted dampish Spanish at 4s. 6d. per lb. The arrivals comprise 14 packages from Vigo, and four packages from Hamburg.

GENTIAN.—The *Stanley Hall* has brought 227 packages from Marseilles. In the drug-auction, 28 bags ordinary damp coarse were bought in at 27s. per cwt.

GLYCERIN.—On Tuesday last the British Convention of refiners advanced the price of chemically pure glycerin by 3l. per ton, making the official quotation 90l. per ton in drums and 94l. in tins and cases on five-ton contracts. It is stated that a good contract business has lately been done by British refiners, but this is denied in other quarters, it being said that the advance is not warranted, as the supplies of crude on the Continent are large and the tendency on the Paris and Marseilles markets is lower. In support of this statement agents were offering Continental makes of chemically pure at 2l. per ton below the official rates, but they are now in a position to offer at 5l. below—viz., 80l. per ton in large drums in five- or ten-ton lots.

HELLEBORE ROOT.—Both white and black are dearer as a consequence of the brisk demand and light stocks at primary sources. *White* is quoted at from 35s. to 37s. 6d. per cwt. and *black* at 18s. per cwt. c. and f. terms London, but still higher prices are anticipated.

INSECT FLOWERS remain unchanged, prime open Dalmatian flowers offering from Trieste at 68s. 6d. per cwt. c. and f. London.

LAVENDER OIL.—French of good quality is quoted 15s. 6d. to 16s. per lb.

LEMON OIL.—A Palermo advice dated November 9 reports the market as unchanged, and the pressing season being now near at hand, prices for prompt and new crop oil will have gradually to come nearer to each other, and a slow movement in this direction is already apparent. Business has been rather upset by the collapse of one of the biggest dealers and speculators, who is now having to "pay the piper" for his way of doing business since the Messina earthquake. Naturally it cannot be foreseen what influence this will have on our market, and much will depend on how heavy the blank sales are which have been made abroad and which cannot be covered. In our local market many are hit by this failure, but it is naturally less important for the general course of the market if local speculative transactions come to nothing than if buyers abroad, who have made forward contracts, find that they have no deliveries against them. Old crop is quoted at 7s. 11d. c.i.f. and new 7s. 0½d. per lb. c.i.f. In London agents quote 6s. 7d. to 7s. 2d. c.i.f., the latter being for January-March shipment. There is a good inquiry on spot, the price of choice brands being 8s.

LYCOPodium of treble-sifted quality in original cases is quoted for November shipment from Hamburg at 1s. 8d. per lb. c.i.f. terms.

MENTHOL is dearer, the spot price of Kobayashi having been advanced to 40s. per lb., which has been paid on several occasions for case lots. To arrive business has been done in Kobayashi-Suzuki in combination with oil for January-March shipment at from 31s. to 31s. 10d. per lb. c.i.f. and December-February shipment at 32s. c.i.f., but higher prices are now asked, including December-January and January-February 34s. c.i.f. In the drug-auction six tins of Suzuki were bought in at 40s., the highest obtainable bid being 31s., and a further six tins which had been catalogued were said to have been sold privately. Ten cases have arrived from Kobe per *Atsuta Maru*.

The exports from Japan during August were 3,000 kin,

valued at 30,104 yen, and for the eight months ending August 31 the figures are:

	1910	1911	1912
Kin ...	70,327	72,362	78,033
Yen ...	366,552	557,406	833,074

Of *Peppermint oil* the exports in August were 5,532 kin, and for the eight months ending August they were: 1910, 94,080 kin; 1911, 103,049 kin; and 1912, 103,819 kin.

MILK-SUGAR is in easier tendency, agents offering to contract at 60s. per cwt. for B.P. quality.

MORPHINE.—The makers' prices are quite nominal at 11s. 3d. per oz., but they are practically sold out until the end of the year. Second-hands quote 11s. to 11s. 3d. for hydrochloride powder.

NUTMEG OIL.—Owing to the advance in spice, the price of expressed is dearer at 4s. per lb.

OILS ESSENTIAL.—The following are some fluctuations which have taken place in the less important essential oils: *Cardamom* has advanced to 6s. per oz., and *Celery* is also dearer at 45s. per lb. The list price of English drawn *Sandalwood* is now 13s. 3d., and 12s. 10d. per lb. for quantity. *Red Thyme oil* (so-called origanum) is cheaper at 4s. 9d. net, and slightly less for quantity; genuine *Origanum* is also cheaper at 4s. 9d. *Siberian Pine-needle oil*, which finds a regular outlet, is offered at 1s. 4d. per lb. net. *Ceylon Citronella oil* is quoted on spot at 1s. 7d., and *Cochin Lemongrass* at 4½d. per oz. spot. *Cassia* is quiet, and being offered at rather cheaper rates by brokers.

OILS (FIXED).—*Linseed* is cheaper on the week, the closing price of pipes being 28s. 6d. spot and 28s. 9d. in barrels. *Cotton-seed* is quiet at 24s. 9d. to 25s. for crude on the spot, 26s. 3d. for ordinary pale refined, and 29s. 3d. for sweet refined. *Cocoonut* is also quiet at 41s. for Ceylon on the spot and 47s. for Cochin. *Soya* in barrels is offered at 29s. 3d. spot. *Lagos Palm oil* is slightly easier in Liverpool at 30s. 6d. per cwt. *Rope* is offered at 31s. for ordinary brown crude, and at 32s. for English refined in casks, being easier. *China Wood oil* in London is quoted at 32s. 6d. per cwt., and October-November shipment at 32s. *Petroleum* is unchanged on the spot at from 7½d. to 7¾d. for Russian, 8d. for American, and 9d. for water-white.

OPIMUM.—The markets remain very firm, but communications with primary sources are difficult to establish in view of the war, and in view of the delay in obtaining recent purchases and the lack of adequate shipping facilities, buyers do not care to enter into further commitments at the moment. Spot sellers are few, a limited quantity of Turkey druggists' being obtainable at 24s. 6d. for 11 per cent.

A Smyrna correspondent, writing on November 1, states that the sales this week amount to 165 cases, 50 of which slightly second druggists', bright yellowish paste, of 10 to 10½ per cent., probably for Japan, were at 21s. 5d.; 64 rich manufacturing druggists', 11½ per cent. to 12 per cent., at 21s. to 22s., for the U.S.A.; and the balance, all 11 per cent. manufacturing talc, for England and the Continent. Market closes firmer for eligible rich qualities, such as Tchall, Karahissar, Akcheir (old or new), which average 11½ per cent. to 12 per cent. of morphine, but weaker for mixed common grades of 9 per cent. to 10½ per cent., of which there are many willing sellers at 17s. to 19s., as to condition of goods, district, crop, and quality. Notwithstanding we had rain last week, we now learn that owing to the dearth of labourers our opium-growers are making very small progress with their sowings, and the acreage under cultivation hitherto falls far short as compared with other years. Very soon the cold weather setting in will preclude all field work in the upper districts, therefore our next crop will entirely depend upon the seed which will be sown during the spring, and the very meagre sowing of the autumn. The arrivals in Smyrna amount to 1,720 cases, against 892 at same date last year.

A Constantinople correspondent writes on November 9 that the transactions of the week are nine cases druggists' quality at 275 to 300 pirs, and 36 cases "softs" and Malatias at 305 to 330 pirs. per oke. The operations of war in closer proximity to Constantinople has frightened off buyers. There is a desire to see more clearly into the situation created by the failure of the peace negotiations before executing "open" orders received from Europe. Consequently the market has been quiet during the past three days.

The Bombay correspondent of "The Times" wires on November 13 that the first Bombay opium sale of the new season was held to-day; 1,380 chests belonging to next year's export fetched an average of Rs. 1,666, compared with from Rs. 2,170 to Rs. 2,295 in July. This large fall is due to the increasing stocks in China and to recent reports of proclamations in Kwang-tung and elsewhere making smoking illegal after the end of the year. The situation thus is increasingly difficult, and the Bombay opium merchants urge with some justice that the Government should define its future opium policy, and firmly impress upon the Chinese Government the necessity of fulfilling its treaty obligations. The merchants will again ask for a postponement of sales for some months.

ORANGE OIL is a trifle firmer in primary markets, more demand from abroad having been shown. *Sweet* of the new crop is quoted 7s. 3d., and *bitter* new crop 7s. 6½d. c.i.f. London.

ORRIS.—Fair Florentine sorts are quoted 58s. per cwt. net on spot.

PEREIRA BRAVA is offered on the spot at 45s. per cwt.

PEPPERMINT OIL.—Japanese dementholised being scarce on the spot has advanced 6d., business having been done in Kobayashi at 6s. 6d., 6s. 9d., 6s. 10½d., and 7s., with 7s. 3d. asked at the close; also Suzuki at 6s. 7½d. to 6s. 9d. American H.H.H. is quoted 15s. to 15s. 3d., London terms, and good brands of tin oil offer at 11s. 6d. to 11s. 9d.

POTASH PRUSSIAN.—There is a continued scarcity for prompt delivery, the value of such being 7½d. to 7½d. per lb., and for March-April delivery 6½d. is quoted.

QUICKSILVER is unaltered at 7l. 12s. 6d. per bottle from the principal importers, second-hands quoting at the close 7l. 8s.

QUININE is firmer and in more demand, this being due to the fact that orders held back in anticipation of easier prices have now been placed. Business has been done in the usual German brands of sulphate at up to 8½d. per oz., also Java at 8½d., with sellers of Amsterdam at 8½d. to 8½d.

SCAMMONY-ROOT.—It is stated that a good business has been done for manufacturing purposes, both here and on the Continent, and supplies have been largely reduced. It is reported on good authority from Mexico that, owing to the revolution which extended throughout the Vera Cruz districts, nothing has been collected this season, and no fresh supplies will reach Europe until this time next year; for high-testing quality 45s. is now asked.

SHELLAC.—At auction 296 cases offered and 271 cases sold without reserve at easier rates, including fair TN Orange at 66s. to 67s.; matted, 65s. to 66s.; good seconds, slightly matted, 70s. to 71s.; good to fine palish matted, 73s. to 75s. *Button*, good No. 1 cakey, 73s. to 74s.; fair ditto, 68s. to 69s.; second button, 64s. to 67s.; fine stamped pure, 79s. to 80s.; and cakey, 73s. per cwt. Privately the market is quiet, TN Orange being quoted on the basis of 68s. for fair. Futures are steady but quiet, the sales including December delivery at 68s. and March at 70s.

SPICES.—At auction *Ginger* was slow, 636 packages of Cochin and Calicut being practically all bought in, including A cut at 85s., B at 77s. 6d., C at 55s., D rough at 35s., and washed Cochin at from 36s. to 40s. Of Japan 69 bags of lined were bought in at 27s. Of *Cloves* four barrels of West Indian sold at 8½d. for fair mixed with stems. Privately the spot price for Zanzibar is again dearer, a fair business having been done at up to 9½d. per lb. on the spot for fair quality. For October-December shipment business has been done at 8½d. and buyers, and January-March at 9½d. and buyers. For January-March delivery sales have been made at 9½d. to 9½d., and March-May at 9½d., closing buyers at 9½d. *Mace* was steady in auction, 18 cases of Java selling at 2s. 4d. for fair pale and reddish. Of *Pimento*, 33 bags offered and 13 sold at 2½d.; privately, sales for distant shipment have been made at 19s. 6d. per cwt. c.i.f. Fifteen bags of Ceylon black *Pepper* sold at 5½d. for good and 4½d. for small. Privately the market is quiet but steadier, with sellers of fair Singapore on the spot at 5½d. For January-March shipment business has been done at 4½d. c.i.f. delivered weight. Of *white* pepper at auction 83 bags fair Muntok were bought in at 8½d. Privately the market is firm, the spot value of fair Singapore being 8½d. and fair Muntok 9½d.

For November-December shipment sellers quote 8½d. and January-March 8½d. c.i.f.; also Penang at 8½d. and Muntok 8½d. c.i.f. Of Japanese *Cassia* 112 bags of broken were bought in at 14s., and of *Cinnamon* 92 packages of Ceylon quillings were bought in at from 9½d. to 10½d.

TONKA-BEANS remain firm and scarce, frosted Para offering at from 12s. 6d. to 13s., the latter for bold, and at 21s. per lb. for Angostura. In the drug auction a case of fair frosted Para sold at 11s. 9d. per lb.; two packages Angostura also offered, of which one has been sold privately; 17s. was the limit for the remaining cask of fair bold frosted.

TURPENTINE.—The output of genuine Venetian, of which the new crop is now available, is said to be about equal to that of the previous year. Prices, however, remain very high, and for 25-barrel lots 127s. 6d. per cwt. c. and f. London is quoted. American is quiet, the closing value being 29s. 9½d. to 29s. 10½d. on spot.

VANILLA.—At auction 627 tins, mostly firsts, were offered, of which about half sold at firm rates for long lengths and foxy-brown and split, while short lengths were 1s. to 2s. per lb. lower. The following prices were paid:

Seychelles.—Of 596 tins offered, about 350 tins sold, including fair to good, 7 in. to 8½ in., 15s. to 18s. 6d.; 6 in. to 7½ in., 12s. 6d. to 16s. 6d.; 5½ in. to 7 in., 12s. 6d. to 15s.; 3 in. to 6½ in., 11s. 6d. to 14s.; common, 3 in. to 8 in., 9s. to 14s.; partly mouldy, 7s. 6d. to 11s.

London Drug-auctions.

Commercial Sale Rooms,

Mincing Lane, E.C., November 14.

Only first-hand drugs were offered to-day; the bids were very slow in forthcoming, and little was disposed of, prices generally showing a downward tendency. Cape aloes was in larger supply than usual, and was 6d. to 1s. easier for firsts, other qualities being sold at full rates. Both Sumatra benzoin and buchu were neglected, and for balsam tolu much lower prices were realised without reserve. Cascara sagrada sold at rather easier rates, and the few cardamoms offered were of practically no interest. Dragon's blood was not offered, while for gamboge, which is now in much heavier supply, prices are tending easier. Eucalyptus oil sold at higher rates in consonance with the private market. Honey was not offered. Cultivated Minas ipecacuanha was forced off at a decline of about 6d. to 9d. compared with private rates, and for Matto Grosso, in which no business was done, easier prices would also be accepted. Kola realised an advance of fully ½d. per lb. Rhubarb was entirely neglected, and for grey Jamaica sarsaparilla a reduction of 2d. was accepted. Tinnevely senna was on the firmer side, and for beewax there was little demand, prices being practically unaltered. The following table shows the quantity of goods offered and sold:

	Offered	Sold		Offered	Sold
Agar-agar	3	0	Cuttlefish-bone	50	0
Almonds (bitter)...	22	0	Elemi	10	0
Anise, oil (star) ...	2	0	Ergot	22	1
Antimony (crude) ..	40	40	Eucalyptus oil	38	26
Aloes—			Fennel-seed	50	0
Cape	104	71	Gamboge	36	3
Curaçao ... (bxs.)	10	0	Gentian	28	0
Zanzibar (pkgs.) ..	6	4	Guaiaicum	2	0
Annatto-seed	32	0	Gum acacia	259	0
Asafetida	5	0	Honey—		
Balsam Peru	2	0	Jamaica	6	*1
Balsam tolu	5	5	Ipecacuanha—		
Benzoin—			Matto Grosso ...	17	0
Siam	7	0	Minas	11	6
Sumatra	46	0	Jalap	18	14
Buchu	19	5	Kamala	4	*1
Calumba	50	30	Kola	32	32
Cannabis indica ...	7	*1	Lime oil	6	0
Cardamoms & seed ..	29	9	Liquorice-root	10	0
Cascara sagrada ...	121	121	Menthol (tins).....	12	*6
Cashew-nuts.....	13	0	Musk, Tonq. (cs.) ..	2	0
Cassia fistula	34	0	Myrrh.....	20	0
Chamomiles	5	0	Orange-peel	15	2
Chiretta.....	28	0	Otto of roses (vases) ..	2	0
Cinchona	9	0	Peppermint oil (cs.) ..	5	0
Cinnamon oil	5	0	Rhapontica	10	0
Coca-leaves	11	5	Rhubarb (China)....	28	*2
Croton-seed	30	0	Salep	2	0

* Sold privately.

Offered Sold		Offered Sold	
Sandalwood-chips.	42 ... 0	Turmeric	309 ... 0
Sarsaparilla—		Wax (Bees')—	
Grey Jam.	16 ... 6	Benguella	56 ... 22
Native Jam.	5 ... 0	China	24 ... 0
Seedlac	108 ... 0	East African.....	10 ... 10
Senna and pods—		East Indian	79 ... *25
Alexandrian.....	35 ... 0	Madagascar	122 ... 0
Tinnevely	204 ... 131	Morocco	8 ... 0
Simaruba bark ...	11 ... 0	Mozambique	113 ... 0
Tamarinds (E.I.)	20 ... 0	Spanish	14 ... 0
Tonka-beans	3 ... 2	Zanzibar	93 ... 0

* Sold privately.

ALOES.—Cape was about 6d. per cwt. easier for good quality, other descriptions selling at full rates, 71 cases being disposed of, comprising fine hard bright Mossel Bay firsts on 20 per cent. tares at 41s. 6d., good firsts 40s. to 41s., fair firsts 38s. 6d. to 39s. (part subject), good seconds slightly drossy 37s. to 37s. 6d., fair seconds 36s. to 36s. 6d., dullish ditto 34s. to 34s. 6d. per cwt. Eleven cases Algoa Bay (estimated tares) sold at 36s. 6d. for slightly drossy ordinary seconds, and 31s. 6d. to 32s. 6d. for partly drossy and dusty broken small. A lot of nine cases Cape (20 per cent. tares) sold at 32s. 6d. for an unsightly mixed dusty lot of ordinary part frothy, and of a further nine cases two sold at 38s. for fair hard bright. Of Zanzibar six cases offered, and four in skins sold at 70s. per cwt. for good hard hepatic. Two cases of good liver, with leaves, were held at 85s., a bid of 70s. being refused.

ANTIMONY was lower, 40 cases of Chinese crude selling at 13l. per ton.

BALSAM TOLU was much lower, five cases selling without reserve at from 4s. to 4s. 4d. per lb. net without allowances for fair quality part slightly drossy on surface. Previous to the sale 4s. 6d. was asked privately.

BENZUIN.—The arrivals comprise 36 cases, and 34 cases per *Machaon* from Singapore. In auction no business was done. A bid of 6l. per cwt. is to be submitted for medium Sumatra seconds with small almonds. Fair seconds with medium to bold pale almonds were held at 7l. 5s. to 7l. 10s. Seven cases Siam offered, consisting of small to bold (part very bold) free Siam almonds of good flavour, for which 33l. per cwt. was wanted, no bids being made.

BUCHU was slow of sale, only one small bag of fair greenish round being offered, and for this 6s. 6d. was wanted. Oval leaf was limited at from 1s. 10d. to 1s. 11d., according to quality, and five bags of stalks sold without reserve at ½d. per lb. For a bale of fair long greenish slightly stalky leaves, a bid of 3s. 6d. is to be submitted.

CALUMBA.—A lot of 30 bags small to bold yellowish native washed sorts sold without reserve at 14s. 6d.

CANNABIS INDICA.—Two cases of genuine Bombay tops were offered, of which one had been sold privately; 5s. 3d. was the limit placed on the remainder. A rejected parcel of five cases African from Hamburg was offered without reserve, but no bids were made. Seven cases have arrived per *Stanley Hall* from Marmagao.

CARDAMOMS.—The offerings were quite meagre and of little interest to cardamom buyers. Two cases of good bold silky palish Ceylon-Mysore sold at 5s. 5d., two cases small and medium ditto at 4s. 10d., a case of tiny palish at 4s. 3d., and two cases splits and pickings at 4s. 1d. subject; two cases small and medium dullish sold at 4s. 5d. Genuine seed was held at 3s. 9d.

CASCARA SAGRADA was a shade easier as compared with the previous public sale, 100 bags being disposed of without reserve at from 34s. to 35s. per cwt. gross for net without discount for fair one year old. A lot of 21 bags sold without reserve on account of whom it may concern at 33s. per cwt. for sea-damaged of various classification.

COCOA-LEAVES.—Four cases of greenish brown Ceylon Huanuco sold at 6d. per lb., and a bale of Ceylon-Truxillo greenish matted realised 3½d. per lb.

CROTON-SEED.—The value of a parcel of 30 bags fair bright Ceylon was 80s. per cwt.

DRAGON'S-BLOOD.—The *Machaon* from Singapore has brought eight packages. Nothing offered in auction.

EUCALYPTUS OIL was dearer in auction, five cases of good pale 84 per cent. eucalyptol selling at 1s. 8d. and brown rank oil 72 per cent. at 1s. 7d. A further 18 cases offered, of which six had been sold privately at 1s. 8d. for 75 per cent. to 76 per cent. eucalyptol; nine cases offered without reserve, and sold at 1s. 4d. per lb., the eucalyptol-content being about 40 per cent. Privately the quotation for good pale oil of 75 to 76 per cent. eucalyptol is now 1s. 8d. net on spot, and all indications point to the market going still higher.

FENNEL-SEED.—Fifty bags Levant were offered, for which 20s. was asked, this being the price at which private sales had been made.

GAMBOGE is now in heavy supply and tending easier. A string of 29 cases was offered by one broker, of which two sold at 14l. 10s. for fair blocky, rather damp, native-picked Siam pipe mixed with about 1 per cent. of Saigon. A case of common very drossy pickings sold at 11l. 5s., being 5s. under the valuation. The arrivals comprise 10 cases from Bangkok and 18 cases from Singapore.

IPECACUANHA was from 6d. to 9d. per lb. cheaper for cultivated Minas, six bales of which sold without reserve at from 8s. 6d. to 8s. 7d. per lb. for fair quality. In another instance 9s. 6d. was the limit for nine bales of very lean Minas. No Matto Grosso was disposed of. Several bids of 9s. to 9s. 3d. are to be submitted for fair, the limit being 9s. 6d. per lb. The *Machaon* has brought 40 packages Johore from Port Swettenham, and 50 packages Minas have also arrived.

JALAP.—Fourteen bags, analysing 9.5 per cent. (Umney), sold without reserve at from 10d. to 10½d. per lb.

KOLA was fully ½d. per lb. dearer, 31 packages selling at from 4¾d. to 5d. per lb. for fair dried Jamaica halves and whole; also mouldy and part wormy at 4¾d. per lb.; a single bag of Dominican halves realised 4¾d.

Hamburg market is reported firm at m.125 for quarters and m.100 to m.115 for halves; demand continues, and cheaper prices are not expected for some time.

MUSK.—Two cases of small to bold fairly dry old-fashioned thick-skinned Tonquin pod were limited at 50s. per oz.

ORANGE-PEEL.—Two cases of rather dullish Maltese strip sold at 7½d. per lb., the remaining 8 cases being bought in. Five cases in another interest were held at 10d. for fair bright strip.

RHUBARB.—Slow of sale; 13 cases were offered without reserve, but no bids were forthcoming, and the lots were bought in. For bold round Canton with three-quarters good pinky fracture, the buying-in price was 3s.; bold and medium flat ditto was bought in at from 2s. 4d. to 2s. 6d. Six cases of small to bold flat High-dried, with three-quarters pinky fracture, one-quarter dull and dark, were limited at 1s. 3d., and four cases of medium to bold round horny dull-coated High-dried, with three-quarters pinky fracture, at 11d. per lb.

SARSAPARILLA.—Grey Jamaica, of which 16 bales offered, and six sold, was 2d. per lb. cheaper, fair fibrous realising 1s. 10d. per lb.; the remainder being held for this figure. Four bales Native Jamaica offered, for which the high value of 1s. 2d. was asked.

SENNA.—Tinnevely sold at prices generally tending firmer, including common to ordinary small yellowish leaf 1d. to 1½d., medium and small greenish 2d. to 2½d., bold, but partly off colour, 3d. to 3¾d. per lb., common dark to good pods sold at from ¾d. to 1¼d.; of Alexandrian siftings 28 bales were held at 3d. per lb.

WAX (BEES').—Quiet. The chief sale consisted of 32 packages Benguella, which realised from 7l. to 7l. 2s. 6d. for fair brown; and ten bundles of partly drossy East African realised 7l. per cwt.; 25 packages of unbleached Calcutta of mixed colours had been sold privately. The value of fair white bleached Calcutta is 8l. 5s., and dull white 7l. 15s. per cwt. Bright yellow Spanish was held at 6l. 5s., and 24 cases Chinese at 6l. 10s. per cwt. No Jamaica offered.

TURKEY GALLS.—The exports from Smyrna in 1911 amounted to 3,020 bags (311 tons), against 2,084 bags (250 tons) in 1910.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Seigel's Syrup and the "Extra Pharmacopœia": a Correction.

SIR,—I note in your current number, index folio 723, that Mr. Ratcliffe, joint managing director of A. J. White, Ltd., manufacturers of Mother Seigel's Curative Syrup, stated that "another alleged formula is given in Martindale's 'Extra Pharmacopœia,' in which liquorice is stated to be present." I think it is necessary to point out that Mr. Ratcliffe's statement is either quite in error or else misleading. The "Extra Pharmacopœia" makes no mention of liquorice with regard to this preparation; on the contrary, reference is provided to the "British Medical Journal," which analysis doubtless concords with that in "Secret Remedies."

Yours very truly,

W. HARRISON MARTINDALE.

10 New Cavendish Street, W.

P.S.—Since writing the above I find liquorice was stated as an ingredient on the authority of "The Lancet," Vol. II., 1903, p. 1493, in the thirteenth edition (1903) of my book. The statement in question was removed from the fourteenth and current editions.—W. H. M.

How to Form Chemists' Insurance Committees.

SIR,—As I am being asked by officials of Associations in other counties for information as to the methods adopted in organising Derby county, it might save time and perhaps be of service to others if you would kindly give publicity to this letter. First of all, as a member of the County Insurance Committee, I got that Committee to agree not to enter into any negotiations with individuals or bodies of individuals other than a Central Committee acting for the whole county. The next step was to get the existing Associations into touch with each other, and to agree to a meeting of the whole county at a suitable centre, under the auspices of the joint Associations, the meeting being convened by the Pharmaceutical Society, and a notice of meeting being sent to every registered person in the county. As an outcome of this meeting, a County Association was formed, and, after the necessary officers had been elected, a Committee, representing the entire county, was set up consisting of two members from each Parliamentary Division of the county, the officers being *ex officio* members of the Committee. From this Committee will be set up the Sub-committee to meet both the County and County Borough Insurance Committees, and will be the Central Committee representative of, and acting for, the whole county.—Faithfully yours,

Codnor.

CLEMENT W. RIDYARD.

National Insurance Dispensing.

SIR,—Allow me to suggest, through you, to the General Medical Council, the desirability of immediately publishing "A General Hospital Pharmacopœia," in which the formulæ at present in use could be made uniform to be used in all the hospitals and medical institutions throughout the United Kingdom, and particularly by the medical profession in carrying out the dispensing under the Insurance Act.

Leeds.

Yours truly,

EDWIN YEWDALL.

SIR,—Your correspondent "Xrayser II," has been kind enough to describe me as a "hot-head," a compliment which is much appreciated, because I would prefer to have a skull full of pitchblende, with a trace of radium in it, than a hollow glass globe likely to be cracked by the

least vibration, or a head composed of sandstone liable to absorb any cold water thrown upon it. The bald assertion "that the hot-heads are hopelessly wrong" carries no weight nor conviction to sensible business men who want to know the why and the wherefore. I am anxious that every statement I have made should be fairly criticised by opponents, or any of your readers, who will back up their views by sound reason or argument. They are quite at liberty to speak in the plainest language without fear of raising my temperature. Only by exchange of opinions and giving the result of our experience can we form any estimate of the results which are likely to be obtained from the Insurance dispensing. To say that "we should try it for three years" and "take it or leave it" is an insult to one's common sense, and, to say the least, is not a decent way of throwing a blind contract at your head. I am in close business touch with chemists all over the Kingdom, and have received many congratulatory letters on the subject; but so far not a single man who has a good word to say for the working of the Insurance Act. Is it not time that a definite vote be taken from all the chemists' Associations in the country? It is simply a question of profit or loss, and it is the opinion of some who have gone into details that any chemist who caters for less than, say, 5,000, will be most likely on the wrong side. I am not taking into account those who attach no value to their own services and are prepared to work for nothing.

Hereford.

Yours truly,

J. J. JACKSON.

SIR,—From the very interesting correspondence you are now publishing on this subject, one fact, I fear, is emerging all too clearly—viz., that the remuneration we chemists are to receive is utterly inadequate. Deplorable though this fact is, I cannot see that we can blame ourselves or the Pharmaceutical Society for the position in which we find ourselves. We, as a body, are not indispensable to the scheme, and that is the crux of the whole matter. Does Mr. Lloyd George really believe that the doctors' services are worth eight times as much as the chemists'? Not at all! But what he does believe, and knows, is, that the doctors are essential to the success of his scheme, whereas if we begin to show fight the difficulty can be very easily settled by handing our duties over to the doctors. We must, therefore, for the time, be satisfied with what we have got, unjust though it is. But let us remember that when the Act is in full swing, and the separation of the prescribing and dispensing a recognised fact, we shall be a very necessary cog in the wheels, and we have had plenty of examples during the last few years of what our attitude must then be. We must banish from our minds all scruples about points of honour, broken agreements, etc., cease to perform the work, and take up a stubborn attitude, entirely lacking in consideration for others, until our demands are conceded. Those who would now dismiss us from their minds with this paltry two-shilling fee, after revolutionising our businesses for us, will then suddenly discover that our grievance is a just one, and will set about remedying it forthwith.

Yours, etc.

CYNIC. (121/56.)

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Clearing Out.

A *South Country Chemist* (8/254) writes: "I am preparing to leave the country in consequence of the Insurance Act. The chemists, in my opinion, will find themselves sold. Any way, I am not going to dispense at 2d. a bottle."

A Chemical Experiment.

E. & Co. (102/69) write: "A customer desires information regarding an experiment which he says is made regularly at the London County Council schools in view of the children. It consists in mixing two watery-looking liquids, the mixture having a cloudy effect; on pouring this out of the glass vessel a film of brilliant iridescent colours is left behind. Our customer understands that glass vases are coloured by this means, and retain the iridescence for a time if untouched."

Legal Queries.

Consult "The Chemists' and Druggists' Diary," 1912, pp. 435 to 454, where most legal difficulties are anticipated, before writing about your difficulty.

Disputed (254/8).—You will find under the paragraph "British Dependencies" in our *Diary*, p. 437, all the information you require as to where the Minor certificate is accepted.

A. C. (118/12).—In England and Wales it is illegal for A, a registered chemist, and B, an unqualified person, to trade in partnership as A & B, chemists and druggists, as B thereby infringes Section 15 of the Pharmacy Act, 1868, and is liable to a penalty of 5*l.*

R. A. (257/2).—Veterinary medicines of all kinds are included in "medicines" mentioned in the Shops Act, and are subject to precisely the same exemptions as medicines for human beings. They may accordingly be sold after 1 p.m. on the early-closing day, subject to the conditions prescribed by the Home Office or any local order.

We are Seven (108/4) informs us that seven out of eight chemists in his town want to close the whole of Wednesday afternoon and evening, but the eighth will not. What is the quickest way to compel him to close? [Get an order under Section 10 of the Shops Act, 1912; but even then the eighth man may (1) keep open on Wednesday, closing on Saturday, and (2) sell exempted goods on the conditions mentioned in the closing order.]

Walter (262/29) informs us that the police of his town have called upon him and informed him that the local Town Council are making an order under the Shops Act, 1912, and the policeman instructed him that he must not sell during closing hours bovril, oxo, tea, soap, perfume, sponges, and tooth-brushes. "Walter" holds wine and tobacco licences, and asks if it would be legal for him to make ordinary sales of medicines during closing hours and to sell cigarettes on Sunday. ["Walter's" shop being a mixed one, any order in respect to the closing of it must be made in accordance with the conditions of Section 10. If such an order is made the Town Council have the power to specify the conditions on which such shops as "Walter's" may be kept open, but the sale of exempted goods during closing hours is permitted by the section on such terms and under such conditions as may be specified in the order. The policeman's ideas on the Act are confused.]

Miscellaneous Inquiries.

*We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published prices, usually 6*d.**

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

A. S. (120/6).—The proposed 1*s. 6d.* PER HEAD FOR DRUGS under the National Insurance Act means, so far as you are concerned, 1*s. 6d.* for each of the insured persons in your area. If you, being the only chemist in the district, refuse to have your name put upon the panel for dispensing, you cannot be forced to dispense the medicines; but it would be advisable for you to at least offer to supply drugs and medical and surgical appliances. If you do not do the dispensing, the doctors may if they so desire.

C. L. S. (106/63).—AFFIXING PAPER LABELS TO CELLULOID.—All that is required in this case is the use of a celluloid solvent, such as equal parts of amyl acetate and acetone. The label is brushed with this, placed on the celluloid, and pressed into position.

G. P. S. (111/62).—There is no reason why you should not dilute liq. hydrogenii peroxidi B.P. when weaker solutions are required—*c.g.*, 10 vols.

H. H. G. (110/30).—MODELLING-COMPOSITION FOR EDUCATIONAL PURPOSES:

Sublimed sulphur ...	1 oz.
Rice-starch ...	7 oz.
Olive oil,	
Glycerin ...	aa. q.s.

The powders are intimately mixed, and then made into a stiff paste with the olive oil and glycerin.

Gentian (106/29).—(1) CORN-OINTMENT.—The following are representative formulæ of the kind you require:

1.		2.	
Salicylic acid ...	1 oz.	Salicylic acid ...	1 oz.
Resin ointment ...	6 oz.	Benzoated lard ...	6 oz.
Lanolin ...	1 oz.	White wax ...	1 oz.
Mix.		Mix.	

(2) PINE-TAR ordered in recipes for cough-mixture is *pix liquida* B.P., which is obtained by destructive distillation from the wood of various species of *Pinus*.

Rad. Gent. (109/46).—CLEANING WAX FIGURES.—A weak alcoholic solution is employed for this purpose—whisky and water answers very well. The *rationale* of the process is that wax (both beeswax and paraffin wax) is only sparingly soluble in alcohol, and hence does not remove the surface of the wax as would benzene or similar well-known solvent.

Denture (100/17).—ZINC CHLORIDE AS A MOUTH-WASH does not seem to possess advantages over other substances which are less caustic and less poisonous. If employed it would need to be in very dilute solution—*c.g.*, 1 grain in 4 oz. It could be supplied in a concentrated form for dilution before use, but there is an element of risk involved.

Microbe (105/7).—DISINFECTING BOOKS.—The simplest process is to place the books partly open in a box fitted with a false bottom in which can be placed a liberal supply of formalin. If the books are shut up in the formaldehyde atmosphere for an hour or so all fear of bacterial infection is past. A similar method was described in the *C. & D.*, July 2, 1910, index folio 23. In this case calcium chloride dissolved in formalin solution was employed to saturate towels, which were placed in a cupboard with the books for twenty-four hours.

J. H. T. (91/64).—LIGHT YELLOW STAMPING-INK.—In the circumstances you mention you will need to employ a mineral colour, such as lead chromate (chrome yellow), suspended in tragacanth mucilage. There are numerous tints of this colour, and it can always be made lighter by admixture with lead sulphate. Yellow ochre might also be employed if cheapness is an object.

Old China (97/11).—CONCENTRATED LAVENDER BATH ESSENCE. For this can be employed any of the usual formulæ for aqua lavandulæ; in fact, the original recommendation was to add lavender-water to the bath.

H. G. C. (80/38).—POWDER FOR CLEANING FALSE TEETH.—The requirement in this case is alkalinity, which is best obtained by the use of a powder containing 50 per cent. of sodium bicarbonate. It has been proposed to employ sodium hydroxide diluted with sugar of milk, but there are objections to this on account of its deliquescence and causticity.

Gentian (114/73).—The only way to destroy roots of hair is to have each one electrolysed.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," November 15, 1862.

International Exhibition.

At the corner we have some excellent specimens of acetate of soda from Messrs. Richardson, and round the corner is a collection of starches by Messrs. Reckitt, of Hull. Passing onwards, we come to the display of borax by Wood, one of the largest borax-makers in the world, who absorbs nearly the whole of the boracic acid made by the heirs of Count Lardarel, in Tuscany. Near to this is an extensive series of fine chemicals, by Messrs. Bolton, of Holborn, who have been long known for the care they bestow in obtaining perfectly pure products. Messrs. Vorsmann & Co.'s case of tungsten colours completes the display on the floor of the class. We conclude by giving a passing glance at several matters on the walls of the building. . . . A collection of indigenous medicinal plants from Ceylon, by Mr. Keating, excited great interest amongst the visitors, but owing to the native names only being known, it will be impossible to investigate their properties without knowing something of their botanical position. On the north wall Messrs. Howard exhibited a magnificent series of barks, of nearly every known description, accompanied by exquisitely beautiful coloured plates of the plant in the living condition. They also contributed a Ward's case, containing some living bark trees, which excited great interest. A collection of valuable preparations by Messrs. Wright & Francis on the east wall, and a series of extracts, beautifully prepared by Mr. Hooper, of Pall Mall, must bring our examination to a close.

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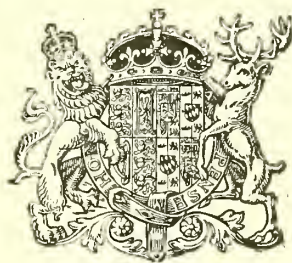
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THE

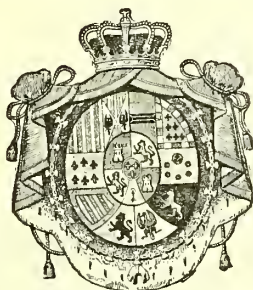
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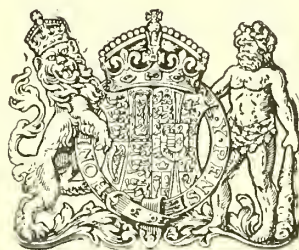


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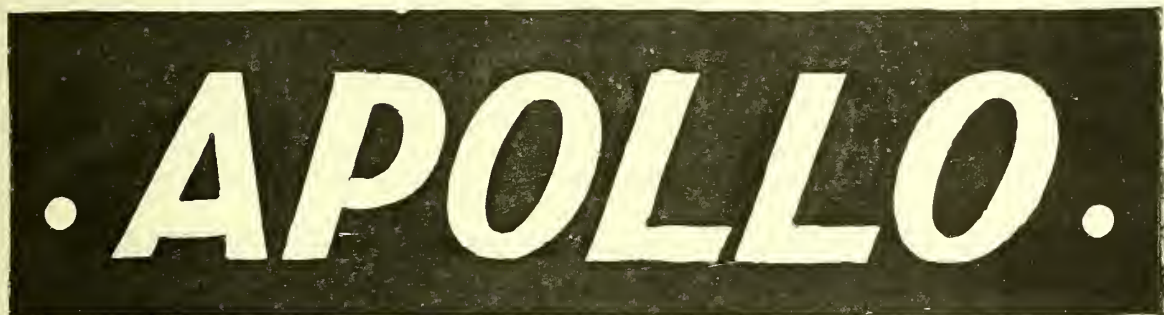
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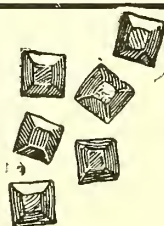
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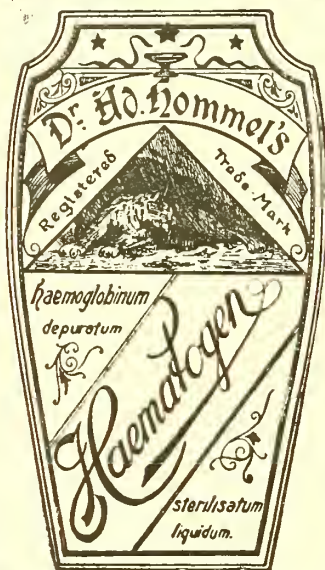
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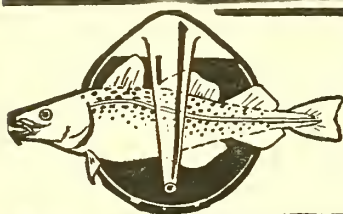
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 " Carbol. Xtls., 39/40, 56 lbs. @ 8½ d. lb.; 10 lb. Tins. @ 8/4 each; 36 1-lb. Bots. @ 11½ d. lb.; Single Bots. @ 1/1 lb.; Detached Cryst. 10 lb. Tins @ 10/8 each; 1 lb. @ 1/4 lb.; Crude Black, 45 gall. casks @ 1/- gall.; 5 gall. drums @ 1/4 gall.; 1 gall. tins @ 1/6 each.
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 Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0½ lb.; 10 lbs. @ 1/2 lb.
 * Ext. Ergot Liq. P.B., 5 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.; Sol d. P.B., 4 lbs. @ 27/- lb.; 1 lb. @ 28/- lb.
 Ext. Gent., P.B., Solid, 1 cwt. @ 9½ d. lb.; 7 lbs. @ 10½ d. lb.
 * Ext. Glycyrrh. Liq. B.P., 6 lbs. @ 1/4½ lb.
 * Ext. Hamamelis, Liq., P.B., 5 lbs. @ 3/5 lb.
 Ext. Hyoscyam, Solid, B.P., 3 lbs. @ 4/9 lb.; 1 lb. @ 5/1 lb.
 Ext. Malti c. Ol. Jecoris, 10 lbs. @ 5½ d. lb.
 * Ext. Nucis Vom. Liq. P.B., 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.; solid, 5 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.
 Ferri Ammon. Cit., P.B., 28 lbs. @ 1/6½ lb.; 7 lbs. @ 1/7½ lb.
 Ferri et Quininae Cit. P.B., 500 ozs. @ 4½ d. oz.; 100 ozs. @ 4½ d. oz.; 25 ozs. @ 4½ d. oz.
 Gum Acaciae sorts, 3 cwt. @ 44/- cwt.; 1 cwt. @ 50/- cwt.; 7 lbs. @ 7d. lb.; English Ground Powder, No. 1, 1 cwt. @ 95/- cwt.; 7 lbs. @ 1/1 lb.; No. 2, 1 cwt. @ 75/- cwt.; 7 lbs. @ 10d. lb.
 Honey, Pale Set, Jamaica, 3½ cwt. @ 36/- cwt.; 28 lbs. @ 50/- cwt.; Californian ½ cwt. @ 52/6 cwt.; 7 lbs. @ 7½ d. lb.
 Ichthyol Ammon., 3 lbs. @ 10/9 lb.; 1 lb. @ 11/- lb.
 * Liq. Iodi Fort B.P., 5 lbs. @ 5/1 lb.
 " Morphinae Acet. or Hydrochlor. P.B., 6 lbs. @ 3/- lb.
 " Opil Sed., 5 lbs. @ 4/2 lb.
 " Plumbi Subacet., P.B., 7 lbs. @ 2½ d. lb.
 " Pruni Virg. p.s. 1-7, 5 lbs. @ 2/2 lb.
 " Rheados pro syr., 1 to 7, 5 lbs. @ 1/11 lb.
 " Rhei p.s. 1-7, 6 lbs. @ 2/2 lb.
 " Santali Co., 1 lb. @ 3/- lb.
 " Sennæ Dulc. 6 lbs. @ 1/4 lb.
 " Sennæ pro Syr. 1-7, 6 lbs. @ 2/- lb.
 " Strychninae, Hyd. P.B., 6 lbs. @ 1/6 lb.
 " Tolut pro Syr. 1-7, 6 lbs. @ 1/8 lb.
 Morphinae Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 11/5 oz.; 16 oz. @ 11/8 oz.; 8 oz. @ 11/10 oz.; 1 oz. @ 13/- oz.; Pur. Præcip. Bimeconate or Tart. 1 oz. @ 15/- oz.
 Naphthalene, Candles or Balls, 1 cwt. @ 12/6 cwt.; 56 lbs. @ 14/6 cwt.; 28 lbs. @ 16/- cwt.
 Ol. Caryoph. Ang., B.P., 9 lbs. @ 5/- lb.; 4½ lbs. @ 5/2 lb.
 Ol. Eucalypt., B.P., 1 cwt. @ 1/7 lb.; 28 lbs. @ 1/7½ lb.; 9 lbs. @ 1/8 lb.
 Ol. Menth. Pip. Engl. h. 5 lbs. @ 32/- lb.; 1 lb. @ 35/- lb.; Hotchkiss original bots., 21 oz. each @ 16/6 lb.; 6 bots. @ 16/1 lb.; 18 bots. @ 15/5 lb.; American, 20 lbs. @ 12/3 lb.; 4½ lbs. @ 13/3 lb.; 1 lb. @ 13/9 lb.
 Jararacæ, 60 lbs. @ 6/10 lb.; 5½ s @ 7/3 lb.
 Ol. Geranii Gall. Opt., 1 lb. @ 27/- lb.; 8 1-oz. bots. @ 2/10 oz.; 1 oz. @ 3/- oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
 Ol. Gynocardia, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.

BISMUTH.

COCAINE.

LIN. CAMPH.

- * Aqua. Sambu. Conc., 1-40, 1 lb. @ 6/1 lb.
 " Laroeraci, 53 lbs. for 20/-; 6 lbs. @ 7d. lb.
 " Menth. Pip. Conc., 1-40, 1 lb. @ 3/- lb.
 Argent. Nit., 6's to oz., 25 oz. @ 1/10½ oz.; 1 oz. @ 2/- oz.
 " Cryst., 25 oz. @ 1/8 oz.; 8 oz. @ 1/9 oz.
 Bismuth, P.B., Carb., 7 lbs. @ 8/10 lb.; 3 lbs. @ 9/1 lb.; 1 lb. @ 9/3 lb.; subnit. 1/- lb. less.
 Camphor, English Flowers, "not artificial," 5 lbs. @ 2/- lb.; 7 lb. Tabs. ½ oz. ½ oz., ½ oz. @ 2/- lb.; Crude, about 92% as imported, 140 lbs @ 1/7 lb.; 28 lbs. @ 1/8 lb.
 Cocaine Hydrochlor. B.P. 25 ozs. @ 7/4 oz.; 4 ozs. @ 7/10 oz.; 1 oz. @ 8/6 oz.
 Cream Tartar, 98% powder, 1 cwt. @ 90/- cwt.; 7 lbs. @ 11d. lb.
 * Dec Aloes Co. Conc. 1-2, 6 lbs. @ 2/9 lb. Sinecroco, 6 lbs. @ 1/2 lb.
 " Cinchonæ (Rubra) Conc. 1-7, 6 lbs. @ 1/10 lb.
 * Dec Senegæ Conc., 6 lbs. @ 2/3 lb.
 Emulsion Ol. Morrhuæ, 10 lbs. @ 9d. lb.
 Ess. Bergam (Oil), 12 lbs. @ 26/- lb.; 1 lb. @ 27/- lb.; not guaranteed absolutely pure.
 Ess. Limonis (oil) original coppers, 12 lbs. @ 7/- lb.; 6 1-lb. bots. @ 7/6 lb.; not guaranteed absolutely pure.
 * Ess. Moschi (not artificial), 5 lbs. @ 10/3 lb.; 1 lb. @ 13 lb. 1/1
 * Ess. Pear (artificial), Jargonelle, 5 lbs. @ 2/8 lb.; Bergamot, 3/2 lb.
 * Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 " Buchu Conc., 1 to 7, 6 lbs. @ 2/- lb.
 " Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
 " Caryoph. Conc., 1 to 7, 6 lbs. @ 11d. lb.
 " Cascarilla Conc., 1 to 7, 6 lbs. @ 1/2 lb.
 " Cinchona Acid, 1 to 7, 6 lbs. @ 1/7 lb.
 " Gentiana Co., 1 to 7, 6 lbs. @ 1/- lb.
 " Quassia Conc., 1 to 7, 6 lbs. @ 9d. lb.
 " Rhei Conc., 1 to 7, 6 lbs. @ 1/5 lb.
 " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
 " Senegæ Conc., 1 to 7, 6 lbs. @ 2/2 lb.
 " Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 Lin. Camph. P.B., 40 lbs. @ 11d. lb.; 9 lbs. @ 1/- lb.
 Lin. Sapo Meth., 9 lbs. @ 7d. lb.
 Lin. Tereb. Acet., B.P., 5 lbs. @ 1/- lb.
 Linseed c. Oil, Crushed, 3 cwt. @ 23/- cwt.; 1 cwt. @ 24/- cwt.
 * Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 10½ d. lb.
 " Ammon. Aromat., 6 lbs. @ 9d. lb.
 " Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; Bismuth, P.B., 6 lbs. @ 1/1 lb.
 " Copaiba Bucha et Cubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
 " Easton, p.s. 1-3, B.P., 1 lb. @ 3/- lb.
 " Ferri Dialisatus, 6 lbs. @ 7d. lb.
 " Ferri Iod. p.s., 1-7, 1 lb. @ 6/9 lb.
 " Ferri Perchlor. Fort., P.B., 7 lbs. @ 4d. lb.
 " Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/6 lb.
 " Hamamelidis, B.P., 6 lbs. @ 1/1 lb. [lb.
 " Hypophosph. Co. p.s., B.P.C., 1 lb. @ 3/4 lb.
 Ol. Juniperi Bacc., B.P., 4½ lb. @ 3/6 lb.; 1 lb. @ 3/10 lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.
 Ol. Lavand. ab Flor., 5 lbs. @ 12/- lb.; 1 lb. @ 12/6 lb.
 Ol. Morrhuæ, Nov. 1912, finest non-freezing, 25 gall. tin-lined barrels @ 70/- per barrel; 2-gall. tins @ 4/- per gall.
 Ol. Olivæ P.B., rood yellow, guaranteed pure, 45 gall. Barrels @ 4/10 gall.; 2-gall. tins @ 5/6 gall.
 Oxymel Scilla, B.P., 5 cwt. @ 31/- cwt.; 1 cwt. @ 34/- cwt.; * 7 lbs. @ 6d. lb.
 Pepsin, B.P., 10 lbs. @ 9/4 lb.; 1 lb. @ 10/- lb.
 Phenacetin, P.B., pulv., 1 cwt. @ 2/8 lb.; 2 cwt. @ 2/10 lb.; 1 lb. @ 3/- lb.
 Phenazone, P.B., 7 lbs. @ 6/11 lb.; 1 lb. @ 7/6 lb.
 Phenolphthalein, 7 lbs. @ 5/6 lb.; 1 lb. @ 6/- lb.
 Plumbi Acetas, Druggists', 1 cwt. @ 34/6 cwt.; 7 lbs. @ 5d. lb.; Powder, 1½ d. lb. extra.
 Potas. Acetas. Gran. P.B., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.
 Potass. Iod. P.B., 1 cwt. @ 10/- lb.; 14 lbs. @ 10/1 lb.; 3 lbs. @ 10/2 lb.
 Rad. Jalap. English Ground, 28 lbs. @ 1/10 lb.; 7 lbs. @ 1/11 lb.
 Rad. Rhei, E.I., English Ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7½ lb.
 Saffron, Valencia, B.P., 7 lbs. @ 46/-; 1 lb. @ 47/6 lb.; 1 oz. @ 3/2 oz.
 Santonium, P.B., 7 lbs. @ 95/- lb.; 1 lb. @ 97/- lb.
 Shellac (Orange), 1½ cwt. @ 80/- cwt.; 7 lbs. @ 10d. lb.

* Minimum quantity at these prices: Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

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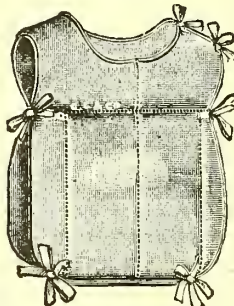
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For
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Now the Cold Weather has come, Zudors should form part of every Chemist's stock.

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:: YORKSHIRE MAKE. ::



DISPENSING as illustrated. Plain or Graduated

1½ & 2 oz.	3 & 4 oz.	6 & 8 oz.	10 oz.	12 oz.
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	16 oz.	20 oz.		
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per gross.

GREEN PANELLED (three sides)

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9/-	10/-	13/-	14/6	18/6	21/-

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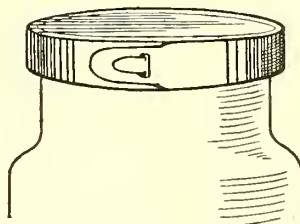
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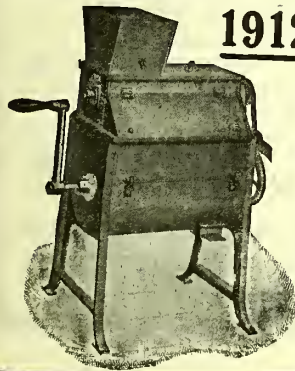
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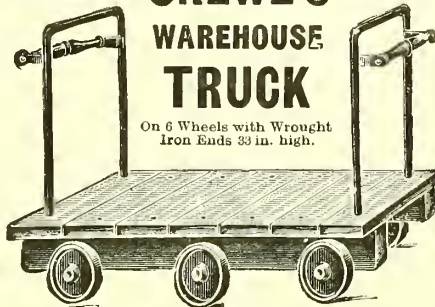
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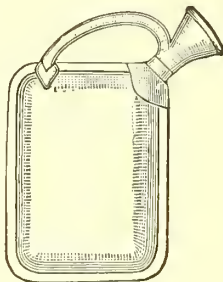
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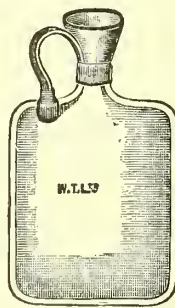
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457.



458.



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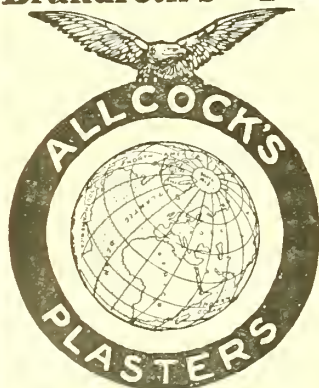
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FIG. 957.—Side Handle.

Guaranteed for 2 years.

Top or side handle	SIZES	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14	12×14
Heavy weight ... each		3 0	3 4	3 9	4 0	4 4	4 9	5 0	5 4	6 6
Light ... each		2 9	3 0	3 5	3 6	3 10	4 6	4 8	5 0	6 1
Covers, scarlet or grey plush, ..		0 8	0 8	0 10	0 10	0 11	0 11	0 11	1 0	1 2
.. .. felt ..		0 5	0 5	0 6	0 6	0 7	0 7	0 8	0 10	1 0

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Fig. 1.

Sizes.	Fig 1 or Fig. 2 s. d.
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12×6 ...	4 0
10×8 ...	4 6
12×8 ...	5 0
14×8 ...	5 6
12×10 ...	5 9
14×10 ...	6 9
16×10 ...	7 3



Fig. 2.

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(REGISTERED DESIGN.)



Suitable for many purposes for which the old-fashioned shape is useless.

For BED-WARMERS.
For CARRIAGES.
For MOTOR CARS.
For INVALIDS, &c.

Customers can have their names, &c., printed on reverse side.

LOW PRICES. BIG DISCOUNT.
Sole Manufacturers:—

The Fulham Pottery & Cheavin Filter Co., Ltd. FULHAM LONDON, S.W.

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Small size, 3 oz. bottle, in case.
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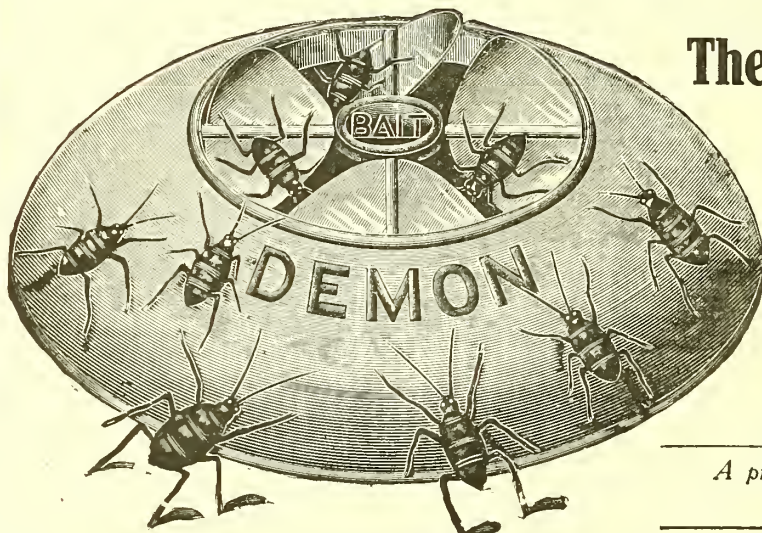
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3000 RATS A YEAR

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"Rodine" is the one vermin exterminator that
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Accept the agency and profit by it, as
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In Packets, $\frac{1}{2}$ lb., $\frac{1}{4}$ lb., and 1 lb.; also in Tins, $\frac{1}{2}$ lb., and upwards.



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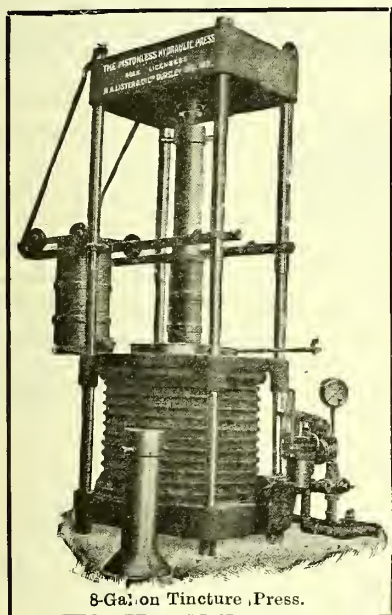
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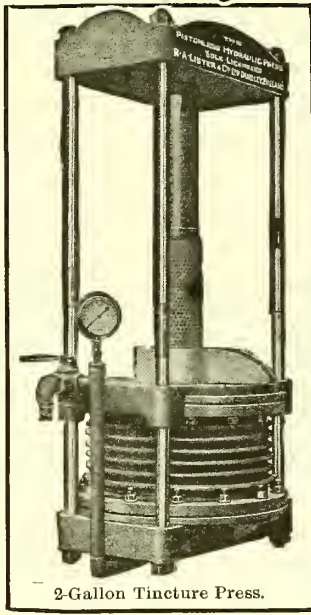
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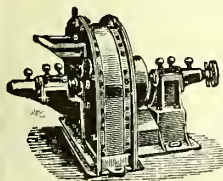
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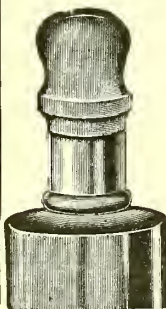
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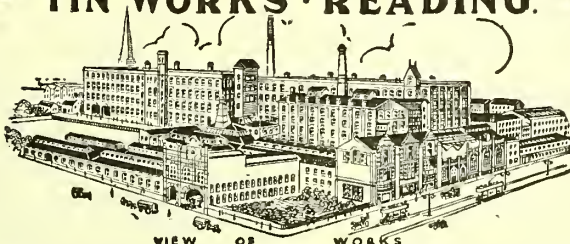
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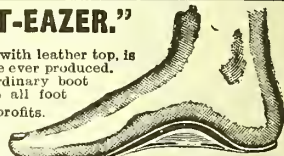
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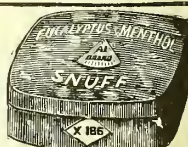
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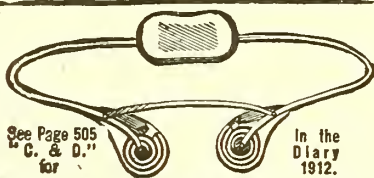
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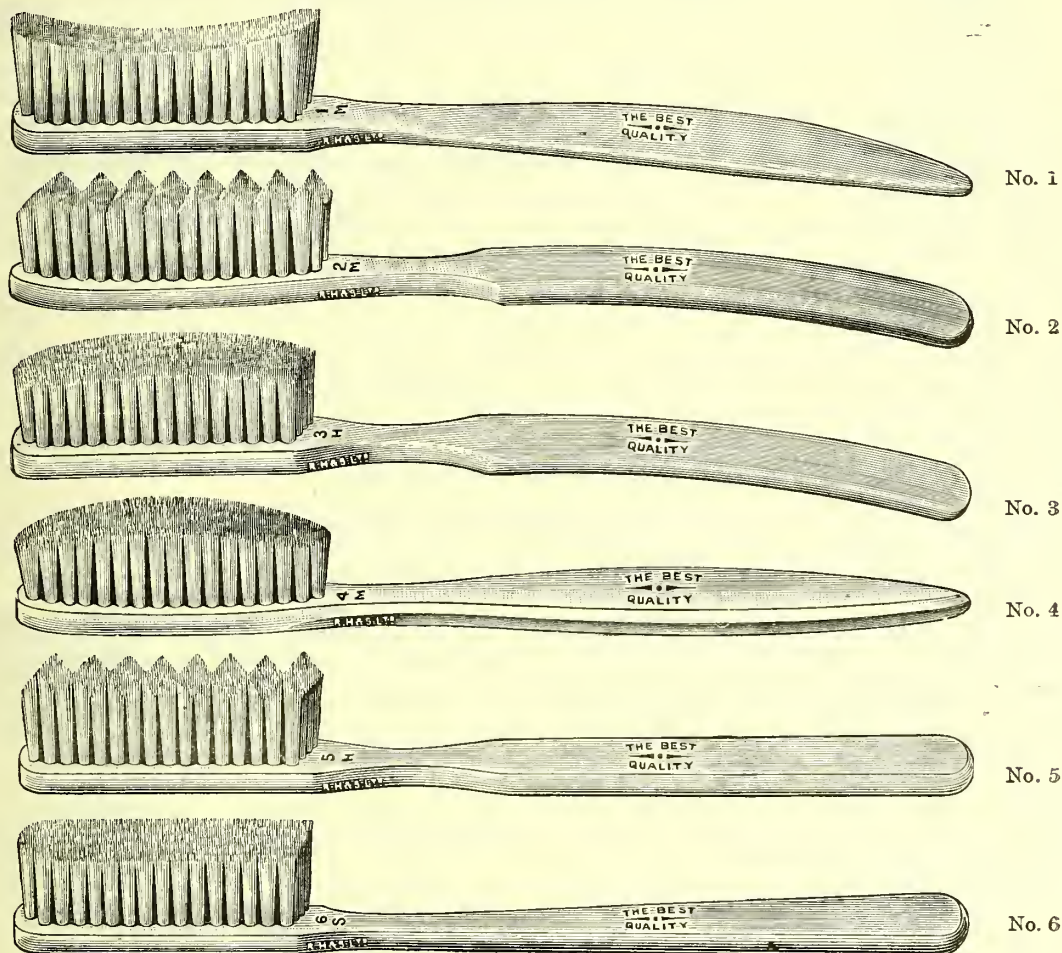
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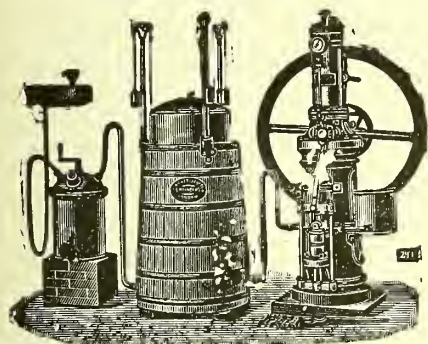
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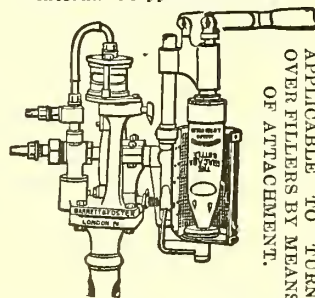
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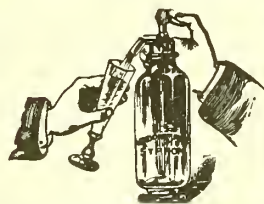
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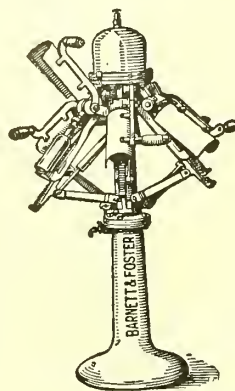
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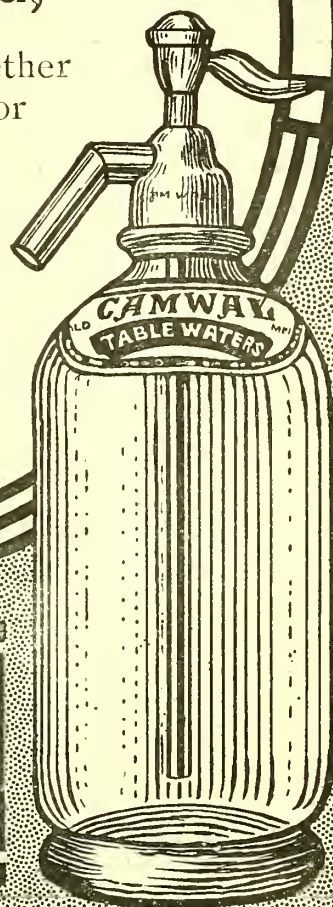
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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, NOVEMBER 16, 1912

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

18,000

COPIES of this week's Supplement are being distributed to the Trade. It is the advertising medium that produces results.

42 CANNON ST.,
LONDON, E.C.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.E. (First-class Residential Suburb).—Dispensing and Retail Business, situate in close proximity to Railway Station; turns £2,300; *net profit, after every expense paid, £410*; very good house; price, to include goodwill, stock and fixtures, £1,200.

2.—LONDON, West-End.—Retail and Dispensing Business; held by vendor upwards of 40 years, now retiring; gross receipts average between £950 and £1,000 per annum; *gross profit £516*; books open to inspection; well-appointed shop; price about £800; part payment entertained.

3.—LONDON, S.E.—Situating in close proximity to busy Railway Station; Retail and Dispensing Business; all good middle-class trading; returns between £950 and £1,000; *net profit 25 per cent.*; attractive shop, double-fronted; modern house; new lease; terms, valuation of stock and fixtures.

4.—SURREY (Suburban).—Death Vacancy. — Good position in shopping thoroughfare; returns, including Branch establishment, about £1,350 per annum; *profits above the average of Retail*; attractive shop, double-fronted; inspection invited; price to be arranged equitably.

5.—CITY (within easy distance of).—Old-established Business; good position, main thoroughfare; returns average about £18 kly; large shop, well fitted; the major portion of the rent is paid; price about £300.

6.—LONDON, N.—Retail, Dispensing, and Photographic; about 10 Prescriptions Dispensed annually; returns, present rate, £500; residence; double-fronted shop; corner position; rent £50, sub-£36; price about £160.

7.—LONDON, W. (Suburban).—Death Vacancy.—For immediate disposal, a good middle-class Retail and Dispensing Business; turns £750, and the *net profit £300*; offer wanted at once.

8.—TORQUAY (near).—Well-established Business, capable of considerable extension; situate in best position; the shop offers a splendid nucleus; the returns at present are £890; terms, goodwill and lease £150, stock and fixtures at a fair valuation.

9.—INLAND HEALTH RESORT.—For Disposal, two good-class Businesses, Retail and Dispensing; capital positions in main shopping thoroughfares; returns average about £5,000 per annum; can be purchased separately; good opening for two young, energetic men; valuation terms entertained.

10.—SURREY (Rising Suburb).—Retail, Dispensing, and Photographic; excellent position; returns, present rate, about £600; scope for considerable development; vendor having taken up an appointment abroad will accept reasonable terms; full particulars on application.

11.—HERTS (Country Town). — Good-class Pharmacy; position unique; returns exceed £900 per annum, at fair prices; an energetic man with £700 at command will find this a good investment.

12.—CHESHIRE.—Unopposed Business, Light Retail; no heavy trade; returns average £554; *net profit, after all expenses paid, £198*; roomy house, bathroom; rent £28; price £275.

13.—SURREY.—Unopposed Business, Family Retail and Dispensing, with Post Office attached; returns exceed £625 per annum; *profits fully up to the average*; convenient house, private entrance, small garden; nearest opposition two miles; price £500.

14.—LANCS (Manufacturing Town).—General Retail and Prescribing, including some Dentistry; returns average between £750 and £800 per annum; *profits £300*; rent £30; price £300, or fair valuation.

Particulars of any of the above will be furnished on application.

N.B. NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of the Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

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Telegrams, "Brett Leicester." Telephone 1934.

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GIVES PERSONAL ATTENTION TO ALL VALUATIONS.
AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

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- 2.—**HERTS.**—Good Country Retail in nice town; returns £910; net profit £245; price £700.
- 3.—**NEWCASTLE-ON-TYNE.**—Light Family Retail; returns about £1,200; price £500; good business position; death vacancy; good scope.
- 4.—**DURHAM COUNTY.**—We have 7 Businesses for Disposal; prices £250 to £550; various districts; write us.
- 5.—**YORKS.**—For Disposal, three Businesses—(1) Returns £2,400; net profit £265; price, business £850, property £1,150. (2) Returns £1,500; splendid position; price £1,150. (3) Returns £860; net profit £268; price £650.
- 6.—**PADDINGTON.**—Returns £600; net profit £200; price £400.
- 7.—**LINCS.**—Returns £750; rent £25; bargain £175; solely in our hands for disposal; every investigation offered.
- 8.—**MANCHESTER.**—Returns £1,160; rent £50; net profit £300; price £850; Light Cash Retail and Dispensing; good position.
- 9.—**PLYMOUTH.**—Light Retail, Dispensing; main thoroughfare; large house and shop; returns £1,200; net profit £350; price £980; established about 35 years.
- 10.—**LIVERPOOL.**—Returns £700; net profit about £250; price £400.

BUYERS

invited to write for particulars of several other genuine Businesses in all parts, requiring capital of £150 to £3,500; no charge whatever to buyers; strict confidence only asked.

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Telephone: MESSRS. BARRON, HARVEYS & CO.
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BUSINESSES FOR DISPOSAL.

IN good town, Eastern Counties; two old-established and prosperous Businesses returning £2,000 at good prices, with very small expenses; total rents £77; in good working order and well stocked; price about £1,000. Apply, Vendor, 35 Woodstock Avenue, Golder's Green, N.W.

OLD-ESTABLISHED Agricultural Business; returning £2,000; Eastern Counties; good premises and garden; net profit about £500; price £1,000; fully stocked and increasing trade.

OLD-ESTABLISHED, high-class Dispensing and Family Business in touring district, Midlands; returning £1,500, and making £500 net profit; no side-lines; modern developments would nearly double returns; valuation terms.

IN MIDLAND capital town, old-established Family and Cash Retail, at good prices; good double-fronted shop, well fitted, fully stocked; making net profit £500; price, valuation and small goodwill.

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Chemists' Valuers and Expert Stocktakers.

Businesses transferred privately.

45A MARKET STREET, MANCHESTER.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH,*Chemists' Valuers and Transfer Agents,***35 JEWRY STREET, FENCHURCH STREET, CITY.**

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to purchasers.)

- 1.—**SOUTH COAST.**—Good-class Dispensing and Light Retail Business, increasing; returns £1,500; net profit over £400 clear; good position; low rent; large house; attractive Pharmacy, well stocked; price £850 for quick sale; strongly recommended.
- 2.—**HOME COUNTY** (under 20 miles out).—Old-established good-class Business, with valuable Proprietaries; returns £1,040; good profits; central position of market town; commodious premises; price £800.
- 3.—**DEVON COAST.**—High-class Business in very best position; returns £890; net profit about £350; vendor retiring; unlimited scope in younger hands; price about £650; £200 can remain.
- 4.—**MIDDLESEX** (Death Vacancy).—Good-class Business, practically unopposed; net profit about £300; scope for increase; good house and shop; price £550; personally recommended.
- 5.—**SURREY** (20 miles out).—Light Retail and Dispensing Business, pleasantly situated; unopposed; returns £670; net profit £238; modern house, every convenience; price £500; recommended.
- 6.—**KENT.**—Sound Light Retail Business, in best position; returns £1,400; net profits £314; books kept by accountant; good premises; own property; price valuation, about £750.
- 7.—**LONDON SUBURB.**—Good-class Cash Retail, in fine main-road position; returns £1,550; net profit £400; handsome shop, fully stocked; price £1,000, or valuation; trial allowed.
- 8.—**LONDON, N.**—Cash Retail Prescribing and Dispensing Business, in same hands many years; returns £776; gross profits 40 per cent.; well-fitted shop and good house; price about £450.
- 9.—**YORKS** (Inland Health Resort).—First-class Retail and Dispensing; returns £1,500; good profits; splendid position; elegantly fitted and fully stocked; price £1,150; worth attention.
- 10.—**SOUTH-WEST OF ENGLAND.**—High-class Business, in very best position; returns over £1,450; excellent profits; most desirable house; handsome shop, fully stocked; price £1,100, or offer.
- 11.—**HAMPSHIRE.**—Sound middle-class Dispensing and Family Retail Business; returning over £1,000; important town; good position; very low rent; well fitted and stocked; price £750, or offer.
- 12.—**KENT COAST.**—Good-class Dispensing and Retail, in prominent position; returns £780; scope for doing £1,200; same hands many years, retiring; price about £700, or offer.
- 13.—**SOUTH WALES.**—Unopposed Light Retail Business, in growing district; returns £828; net profit about £250; own property; price £350, less than valuation.
- 14.—**SOUTHEAST-ON-SEA** (near).—Neglected Business for immediate Disposal; has done over £1,400; can easily do £1,000 the first year; attractive shop, in fine position; price £350; part can remain.
- 15.—**LONDON, W.**—High-class Suburb; Light Retail and Dispensing Business; returning £1,600; low rent; valuable lease; well-fitted shop; good stock; price £750.
- 16.—**LONDON SUBURB, S.E.**—Sound Family Retail and Prescribing Business; in same hands many years; returns average £900; net profit £257 after paying qualified assistant; main-road position; price £700.

BUSINESSES WANTED. We are in immediate want of sound concerns in all parts from £500 to £3,000. Cash buyers waiting. Strictest privacy guaranteed. Intending vendors cordially invited to write for our terms. No sale, no charge.

VALUATIONS FOR STOCKTAKING. Have you read our pamphlet on the necessity and advantages of Stocktaking? It should be read by every Chemist in business. Sent free on application, together with our new and revised terms. 42 years' practical experience.

BUSINESSES for DISPOSAL

3s. 6d. for 50 words or less : 6d. for every
10 words or less beyond, prepaid.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

LETTERS in reply to Advertisements may be addressed to this Office, and will be forwarded to the Advertiser for an additional charge of 6d.

Trade circulars, samples, and printed matter can in no case be forwarded.

WILL the advertiser "Drugs" (264/19) kindly communicate his name and address to the Publisher, in order that any letters may be forwarded?

GLAMORGANSHIRE.—Splendid opportunity for a beginner to purchase a small, sound Retail Business in an industrial district; this is not a compulsory disposal, owner being anxious to meet suitable purchaser with whom moderate terms could be arranged; good house; low rent; old established. Apply to Dryden, Pharmacy, Landore, Swansea.

HAMMERSMITH.—Cash Retail, Dispensing and Dental; good opening for Optical and Photographic; large house, good condition, side entrance, 11 rooms; letting two flats covers rent £60; returns under indifferent management £500; easily increased; good stock, fixtures and fittings; valuation, or will accept £250 lump sum; part may remain. 267/35, Office of this Paper.

LANCASHIRE, North Coast (Seaside Resort).—For immediate Disposal, a Dispensing and Light Retail Druggist's Business; no heavy trade; good opening for Optics and Dentistry; rent moderate; price asked under valuation of stock and fixtures; no goodwill. Apply, "X. Y. Z.", c/o Evans Sons Lescher & Webb, Ltd., Liverpool.

LANCASHIRE.—Splendid opportunity; well stocked and fitted throughout in mahogany; good business can be done by capable man; will sell for little more than half price of stock, only £220. Apply, 264/6, Office of this Paper.

LANCASHIRE.—Old-established Business for Sale; good sale of own Preparations; ample scope for increase and Optics; at present under manager, proprietor being otherwise engaged; a low price will be accepted; population 19,000; 3 Chemists; modern shop; good house; best position. "Optics" (266/7), Office of this Paper.

LEEDS.—Old-established Business; returns about £250; light trade only; full Wine Licence; telephone; rent £25, with good use (at present let off for 5s. weekly); well-fitted shop and good stock; vendor, who is requiring a long rest, will accept the low price of £175, or valuation. Apply, H. H. Smith, Hirst, Brooke & Co., Ltd., Leeds.

LINCOLN.—A good Mixed Country Retail; nearest opposition 6 miles; last year's returns £720, increasing; up-to-date house shop; rent £23; good reason for disposing; no agents. 261/26, Office of this Paper.

LIVERPOOL.—Good middle-class neighbourhood; corner shop, with house; £50 (let off £24); unique prominent position; splendidly fitted, with good opening for Optics; very little opposition; for quick sale would accept £175. Apply to 265/22, Office of this Paper.

LONDON.—£120 cash and a balance of £30 payable by arrangement will purchase a profitable Light Retail Business in a highly populated district not far from West End; returns average about £9 to £10 weekly; suitable for qualified or unqualified. "mine" (264/27), Office of this Paper.

LONDON.—Light Suburban Retail and Dispensing Business; no cutting and very few Patents; same hands many years, and long; returns exceed £1,400; net profit over £500; books properly kept; every investigation courted; price about £1,150; references required. Apply, 267/202, Office of this Paper.

LONDON Suburb. (country town). — Old-established Business (widow's); large shop, heavily stocked; returns £900; great scope for increase of business and good reason for selling; opening for Optics and Dentistry, which had commenced; best offer. 267/31, Office of this Paper.

MANCHESTER (Suburban). — Smart, well-lighted, modern and well-fitted Chemist's Business (Light Retail, Dispensing and Prescribing) to be sold; pleasantly and well situated in an exceptional position on the main road, growing district; turnover over £500; could be doubled; price wanted much less than value of stock and fixtures; a live bargain to first genuine offer; this is an exceptional opportunity for man with cash to acquire a sound business with very small outlay. 264/20, Office of this Paper.

MIDLANDS. — First-class Retail and Dispensing Business for Disposal in capital position of high-class town; turnover exceeds £2,000, and increasing; good profits; very suitable for two energetic men; applicants must be able to invest £1,700; references required. Address, "Iridin" (267/220), Office of this Paper.

NEAR Bradford. — Old-established Business for Disposal; well fitted and well stocked shop in main thoroughfare; only one other Chemist in populous working-class district; returns £650; good reasons for disposal; valuation. Apply, 264/1, Office of this Paper.

NORFOLK.—Pretty little double-fronted mahogany fitted Shop in best business thoroughfare; returns £550; can easily be doubled by smart, pushing man; unlimited scope; little serious opposition; low price, about £350; part can remain; must be sold quickly; chance seldom offered. "Verax" (264/30), Office of this Paper.

SOUTH CHINA.—Very old-established Chemist's and Druggist's Business for Sale; old age sole cause of disposal; British subjects to be qualified Chemists and Germans must possess certificate of Government examination; capital required £1,000 and upwards. Apply to Bobers & Schrader, 13 Crutched Friars, London, E.O.

SOUTH WALES. — Light Retail, with Photographic and Wine Licence; main street of rapidly rising seaport; average returns for last 7 years £1,200; net profit £350; good lease granted; own property; vendor retiring; price £700; part may remain. Apply, "Retiring" (261/18), Office of this Paper.

STAFFS.—Drug Store, unopposed, in growing neighbourhood; returns £500 per annum; lock-up shop; rent £12 10s. per annum; price £200, or nearest offer. 266/9, Office of this Paper.

VICTORIA STATION (near). — Good-class Light Retail and Dispensing Business; returns £1,050, at very profitable prices; good house; can let off best part of rent if desired; price £650, or £100 goodwill and valuation; suit young man with West-End experience. "Siro" (267/22), Office of this Paper.

YORKSHIRE.—Chemist and Druggist, Wakefield; old-established thriving Business; smartly fitted shop; trade £800-£900; family house attached; all at value, about £650. Firth & Co., 9 Albion Street, Leeds.

A LANCASHIRE "Gold Mine."—Business for Sale, principally Prescribing and Dental; owner giving up business; returns £750-£800; splendid opening for Optics and Photography; price £300, or fair valuation; easy terms to suit purchaser. Apply, M. R. Davies, 196 Manchester Road, Werneth, Oldham, Lancs.

BUSY Business in delightful London Suburb; well established; modern fittings; central position in principal thoroughfare; district growing rapidly; returns about £1,150; closest investigation invited from bona-fide purchasers only. Write to 263/10, Office of this Paper.

CHEMIST'S Business for Sale, County Durham; good business; fine well-fitted shop; owner broken down in health; no other Chemist; such an opportunity seldom to be met with; sell at valuation or otherwise. Write in first instance, "A." (114/50), Office of this Paper.

CHEMIST'S and Druggist's Business for Disposal; well-fitted shop in country town; good district; doing £700 per annum; price £350 for fixtures, fittings, utensils, and stock. Full particulars of Ernest S. Beard & Daniell, Headgate, Colchester.

COUNTRY Business; favourite holiday resort; hunting centre; growing place; no opposition; present hands 45 years; returns last 12 months over £1,000. For particulars of this highly desirable business apply Southall Bros. & Barclay, Ltd., Birmingham.

DRUG and Patent Stores; main road; low rent; present tenant in 16 years; suit a qualified man; good reasons for selling. Particulars from 37 Bolton Road, Bury, Lancs.

GENUINE Country Business for Sale; Agricultural and Farming; old established; good opening for Optics and Dentistry; turnover averages £500 yearly; large house and shop, on lease; rent £35; price £300 cash. Apply, 263/32, Office of this Paper.

GENUINE bargain; nicely fitted and well-stocked shop, main road; low rental; takings £400; very few Patents; good opening for Dentistry and Optics; £150; satisfactory reason for disposal. "A. E. C." (263/14), Office of this Paper.

HOMŒOPATHIC Pharmacy in central position of a Midland City for Sale; owner retiring. Particulars of "Nux," c/o Homœopathic Publishing Co., 12 Warwick Lane, E.C.

IMMEDIATE Disposal, handsome Pharmacy in rapidly increasing London Suburb; best position main thoroughfare; heavily stocked; could be greatly increased by personal attention; returns, 1910 £967, 1911 £1,046; proprietor retiring; accept less than valuation. "X. Y. Z., c/o Willows, 40 Aldersgate Street, E.C.

LIGHT Retail; not long established; making £3 net weekly profit on average weekly turnover of £11; good position; well fitted; grand chance for beginner; owner retiring from the trade will accept valuation. 123/34, Office of this Paper.

LIVING for U. Reg. or Reg. man; small valuation; two shops in two villages, 1 mile apart; positions good; very neglected; lock-up shop, with 3 windows; 5s. 6d. weekly clear; at liberty; house and shop ready shortly; Mixed businesses; owner purchased Homestead. Stamp for reply, 15 West Street, Cornborough, Rotherham.

MUST be sold at once; valuation of stock and fixtures only; genuine little Cash Business; present turnover about £450; great scope for increase; good profits; few Patents; convenient house, side, entrance, bathroom, etc. "M.P.S." 530 Kingston Road, Raynes Park, S.W.

£80.—Business for Sale, S.E. district; well fitted and stocked; very profitable trade; working-class neighbourhood; sole reason for selling, illness; good chance for beginner; no near opposition; unqualified Management; average takings £6, gradually increasing; lock-up shop; expenses 10s. 6d. weekly. Stamped address for further particulars, "Drugs" (264/19), Office of this Paper.

£175 (part down, remainder by arrangement) buys Drug Stores in populous market street, Hackney district; returns 1911, £537 (Patents £130); handsomely fitted; well stocked; 6-roomed house; lease; rent only £50; now under unqualified management. 268/4, Office of this Paper.

£2,000.—Wholesale Sundries and Perfumery Business to be sold as going concern; splendid opening for one or two young men with some capital; compact and well organised; good connection in the North of England, Scotland, and Ireland. Apply, 264/13, Office of this Paper.

TENDERS.

THE KENT AND CANTERBURY HOSPITAL.

TO DRUGGISTS AND OTHERS.

TENDERS are invited for supplies of DRUGS and DRESSINGS to this Hospital for the year 1913.

Forms of tender may be obtained of the Secretary, and should be delivered at this Hospital on or before Friday, November 29, marked outside "Tender."

The Board do not bind themselves to accept the lowest or any tender.

A. J. LANCASTER, Secretary.

November 11, 1912.

FOR SALE.

CHEMIST'S Shopfittings for immediate Disposal: Counters, Dispensing-screen, Wall-cases, Recessed Bottles, etc.; splendid condition; dark mahogany; cost £90; sell £40 to first buyer. W. Barlow, 243 Blackburn Road, Accrington.

BARGAIN for Christmas Trade.—Perfumes, first-class French, 77 fancy bottles, boxed, assorted scents (retail 4s. 6d. and 7s. 6d.); sold under manufacturer's cost to clear. Apply, Sanam Institute, Ltd., 59 Edgware Road, London, W.

UNDER DEED OF ASSIGNMENT FOR BENEFIT OF CREDITORS.

FOR SALE, complete Druggist and Optician's Shopfittings and Stock, removed and stored, comprising Shop Rounds and Fittings, £70; Patent Medicines, £20; Drugs, Bottles, etc., £47; Sundries, etc., £80; Optical goods, £55. Total cost price £272.

Can be seen and checked with inventory in Doncaster by appointment, and sold in one or separate lots at handsome discount off cost price; splendid opportunity for bargain; estate must be closed; offers invited to clear.

Apply to the Trustee, Mr. A. H. Brock, Incorporated Accountant, Bank Chambers, Scot Lane, Doncaster.

£20 or nearest offer accepted for 796 jars Toilet Cream, 1s.; 994 Water Softener, 6d.; 937 Toilet Oatmeal, 6d.; all guaranteed in good condition; handsomely got up in cartons; labels addressed, The Roe-Valla Co., London; sample 3 for P.O. 1s.; 3 doz. assorted for P.O. 7s. 6d., carriage paid. Chisholm, Govanhill Pharmacy, Glasgow.

SALES BY AUCTION.

ON THURSDAY, NOVEMBER 28, at 12.30, the Stock of Messrs. Cavendish, Finsbury Square, E.C., and also of Messrs. Brager, Ltd., Wholesale Druggists, etc., Pentonville Road, N. (in liquidation), and other property removed to the Salerooms for convenience of sale.

The entire stocks comprise large quantity Loofahs, Sponges, Antiseptics, Lints, Bandages, Proprietary Medicines, Perfumes, Bayer's Preparations, Dutch Drops, Douche Cans, Thermometers, Tinctures and Essences, Sarsaparilla, Ipecacuanha, Arrowroot, Zinc Sulph., Tannic and other Acid, Brushes, Photographic goods, Pills, Batteries, Tooth-pastes, Face-powders, Creams, etc., Liehner's Feet-powders, De Jongh's Cod-liver oil, Stencil Ink, Hair Washes and Tonics, Perfume, Toilet and Smelling Salt Cut-glass Bottles, Sprays, Syringes, Splints, Trusses, Cloth-revivers, Insect, Shampoo and other Powders, Stock Bottles, etc., Mill, Powder, Card, and other Boxes, Show-cases, Counters, and Office Furniture, which will be sold by

FRYETT, WHITE & CO., at the Moorgate Auction Rooms, 23 & 25 Moorfields, E.C.

On view day previous and morning of sale. Catalogues post free.

SALES BY PRIVATE TREATY.

FOR Sale, by private treaty, the Stock, Fixtures, and Goodwill, either together or separately, of Chemist's and Druggist's Business, established 1855; premises to be sold. Apply, Fleeming & Son, Pharmacutists, 11 Queen Square, Wolverhampton.

IN BANKRUPTCY.

By Order of JOHN CHAS. GLEGG, Esq., Official Receiver.

R. R. W. TILDESLEY, Chemist. To be SOLD BY PRIVATE TREATY, the whole of the Retail and Dispensing CHEMIST'S STOCKS at the shops, 36 College Street and 129 Wellgate, Rotherham; also SHOP FIXTURES, COUNTERS, SHOW-CASES, etc.

Tenders to be addressed to the offices of the Official Receiver, Sheffield, not later than Tuesday morning's post, November 19, 1912. The highest or any tender will not necessarily be accepted.

Further particulars and permission to view stocks apply Messrs. Shearman & Johnston, 20 Moorgate Street, Rotherham.

BUSINESSES WANTED.

LONDON Suburbs.—Wanted, a good-class Business; returns about £1,000. Please give full particulars, "Rego" (264/3), Office of this Paper.

ADVERTISER requires a small Business in London; neglected one not objected to; lock-up shop preferred. Full particulars, in strictest confidence, to "Cash" (267/24), Office of this Paper.

BUSINESS wanted, in or near the Lake District or Welsh Coast. Particulars to Kershaw, c/o Chambers, 28 Gloucester Avenue, Blackpool.

BUYER (not among those advertising last week) seeks Business: London or pleasant town; good position desirable; having cash ready, and not being curiosity inquirer, replies solicited, stating definitely usual details, including turnover, rent, and terms asked, sufficient for idea of bargain offered. Address, "Kingway" (263/21), Office of this Paper.

GENUINE Cash Retail Business wanted, offering plenty of scope for increase; returns £900 or over; no Dispensing or Dentistry; one with (or opening for) Photography, Optics, Stationery, or Post Office; available capital £450; balance by instalments; larger business entertained if part can remain; good country town preferred, but not essential. 268/3, Office of this Paper.

£600 waiting for Business with scope for increase; provincial or country; Scotland or England; must hear investigation; Mixed or neglected business would be entertained. In confidence to 265/4, Office of this Paper.

PARTNERSHIPS.

UNQUALIFIED Assistant required, not over 30, as Partner in a Wholesale business; capital required about £400. Write giving full particulars, stating age, experience, etc., to "Whole sale," 22 Birchington Road, London, N.W.

£300.—Partner required for a young and progressive business; good prospects; genuine concern; no agent. Address, "Pharmstat," 44 Fortis Green Road, East Finchley, London, N.

AGENCIES.

AGENT wanted for South Africa by up-to-date house for Druggists' Sundries and Surgical India-rubber goods; must be well introduced to Wholesale houses and have a fair knowledge of the goods. 262/17, Office of this Paper.

AGENT wanted by Manufacturers of Perfumery and Toilet Preparations for Wales and South-West Coast, already calling upon Chemists and having an established connection in non-competitive goods. Apply, with full particulars, to 107/03, Office of this Paper.

SOLE Agent wanted for Dentifrice Speciality, with new features (patented, trade-marked, and packing registered); only those with established connection with the Retail trade need apply. 260/27, Office of this Paper.

TO LET.

CHEMIST and Tobacconist Shops in thriving watering town, 2 minutes' walk from landing-stage, 10 minutes' walk from station (main line); corner shop, 2 windows; commodious house. Apply, Chambers, Churchfield, Oundle, Norths.

APPRENTICESHIPS.

APPRENTICE (outdoors); well-educated youth; every opportunity of learning the business. Long, 197 Lower Clapton Road, N.E.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a **MENTAL PICTURE** of your suitability.

BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket **UNCONSIDERED**, because the reader cannot form this picture from the inadequacy of the material set before him.

RETAIL.

BRIGHTON.—Qualified Assistant, age about 23, in high-class Dispensing and Retail business. Apply, with particulars and photo (to be returned), to W. H. Gibson, 122 King's Road, Brighton.

MARMARTHESHIRE.—Wanted immediately, as Locum for Country Drug Stores, unqualified Assistant, with knowledge of under Practice and Dispensing; a knowledge of Welsh preferred, but not essential; permanent employment may follow; the duties extremely light. Apply, with references, salary required (indoor), and all particulars, to Francis Davies, Angel Hotel, Brecon.

EXETER.—Required early in December, gentlemanly Junior; indoors; time can be arranged to attend classes at the R.A.M. College if desired. Full particulars of experience, age, etc., to Messrs. Stone & Son, 165 Fore Street, Exeter.

LE OF WIGHT.—Capable Junior or Improver, about 20, wanted for good-class Dispensing, Light Retail, and Photographic; tinner preferred; indoors. Please state usual particulars as to height, salary, and experience, Woolings, Chemist, Sandown.

LONDON, S.W.—Wanted on December 9, unqualified Assistant (27-35); outdoors; salary 45s. weekly; must have had exceptionally good Dispensing experience, be smart and accurate, and accustomed to high-class Retail. State height and particulars of last three situations, with duration of each, 262/9, Office of this Paper.

LONDON, S.W.—Competent Assistant required, about 23 or 24 years of age (outdoors). Apply, personally or by letter, to Foster & Dallas, 1 Lavender Hill, S.W.

LONDON, S.W.—Messrs. Amoores & Co. require a smart qualified Assistant, about 25; indoors; first-class experience essential. Apply, with full particulars, to A. H. Brooks, 173 Sloane Street, S.W.

LONDON, N.W.—Assistant (age 24) for good-class Retail and Dispensing; indoors. Apply, with full particulars, to G. Laphorn, 79 Abbey Road, N.W.

LONDON, N.E.—Qualified Assistant (outdoors) for a good-class Suburban business. State age, height, experience, and salary expected, also enclose photo (if possible), to Matthews & Son, Chemists, 722 High Road, Leytonstone, N.E.

LONDON, N.—Capable Assistant required at once, about 30. Please give full particulars of experience, age, height, when disengaged, and salary required (outdoors), enclosing photo, to C. N. Coles, F.S.M.C., Chemist and Optician, 804 High Road, Tottenham, N.

LONDON, W.—Wanted immediately, Junior qualified Assistant; outdoors; West-End experience. Rouse & Co., 12 Wigmore Street, W.

LONDON, S.W.—Junior required at once; splendid opportunity for youth just completed apprenticeship. State full particulars and salary required (indoors), 267/11, Office of this Paper.

LONDON, N.W.—To Students or Hospital Dispensers.—Assistant wanted for evenings; indoors. Apply, 267/4, Office of this Paper.

LONDON, W.—Capable Assistant; good Salesman and with knowledge of Dispensing and Photography; qualified preferred; for November 25; outdoors; no Sunday duty. State full particulars of experience and salary required, Manager, H. Lamplough, Ltd., 166 Strand, W.C.

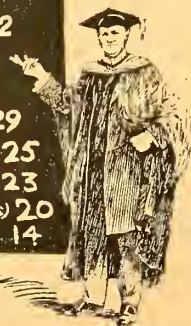
LONDON, South.—Capable Assistant, about 24 (outdoors), for Cash trade; good salary. Reply, giving all particulars as to references, experience, etc., 267/36, Office of this Paper.

MANCHESTER Suburb.—Junior Assistant wanted for good-class Mixed business; good opportunity for youth just out of apprenticeship; half-holiday; no Sunday duty; outdoors. State age, salary required, and references, 266/11, Office of this Paper.

MIDLANDS.—Qualified lady or gentleman; age, salary, etc.; interview; photo if possible; accept no reply as suited. Apply, "Veritas" (264/32), Office of this Paper.

NOTTINGHAM.—Wanted, qualified Manager for Mixed trade in working-class district, 25 to 40; Extractor preferred, though not imperative; must be steady, temperate, and have undeniable references. Apply, giving full particulars of ability, age, height, single or married, salary required, when disengaged, to Southern, Chemist, 87 Wilford Road, Nottingham.

RESULTS	
OF ADVERTISING IN THIS SUPPLEMENT	
LAST WEEK NOV 9 1912	
NATURE OF ADVT.	REPLIES
QUAL. MANAGER	36
ASSIST. (NEAR LONDON)	29
UNQUAL. BRANCH MAN	25
DOCTOR'S DISPENSER	23
TRAVELLER (TOILET GOODS)	20
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This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

SOUTH DEVON Coast.—Unqualified Assistant (22 to 25) for good-class Dispensing business. Photo, full particulars and salary required (outdoors), 265/37, Office of this Paper.

STROUD.—Wanted, capable and active Assistant, good all-round man, with knowledge of Dispensing, Counter work, Photography, Surgical Appliances, etc.; outdoors; age 25 to 35. Applicants should give all particulars in first letter, S. J. Coley, Ltd., Stroud, Glos.

WEST ENGLAND.—Managing Assistant, qualified preferred, about 30 (outdoors), for Light medium-class business; capable Prescriber, Window-dresser, and Salesman, with some Store experience; able to develop business; salary and commission. Please give fullest particulars in first letter, "Ajax" (264/35), Office of this Paper.

WEST OF ENGLAND.—Wanted at once, Manager, live on premises; also Assistant; outdoors; hours 8 to 8.30, Fridays 9.30, Saturdays 10.30; close Wednesdays 1; no Sunday duty. Apply, 124/71, Office of this Paper.

YORKSHIRE.—Required, to commence January 1, good Dispenser; one who has served with a Doctor for the past 4 years preferred; must bear first-class character. State age and salary required, 265/020, Office of this Paper.

ASSISTANT (Manchester); Extractor essential; salary 35s. Apply, giving full particulars, to John L. Smith, Ltd., Chemists, Salford.

ASSISTANT wanted; outdoors; must be a smart Counterman and good Window-dresser. Apply, by letter only, stating age, height, salary required, enclose photo, last two situations and duration of each, to Clifton & Heath, Chemists, Corn Market, Derby.

BRANCH Manager.—Wanted, qualified Chemist; one with Stores experience preferred; good references as to character and ability from at least two last employers. State wages required, Milburn's, Ltd., Cash Chemists, 102 High Street, Hull.

GERMAN or French Assistant wanted, one who desires to learn English. Apply, 166 Wardour Street, W.

JUNIOR, unqualified, required; indoors; active, good address; Dispensing and Photographic business. State age, height, reference, salary required, send photo, Turney & Sons, Pharmaceutical Chemists, Plymouth.

JUNIOR wanted, directly after Christmas, for brisk Cash Retail and Photographic business; outdoors. Apply, stating age, experience, references, and salary required, and enclose photo, to Dunford, Pharm. Chemist, 8 North Street, Bedminster, Bristol.

JUNIOR or Improver (outdoors) for Cash Retail; references must be satisfactory. State experience, salary, and usual particulars, Griffith, Pharmacist, Great Bridge, Staffs.

JUNIOR Assistant wanted (indoors), capable of undertaking Photographic work. State full particulars in first letter, references, salary required, age, photo, and experience, W. & S. 21 West Street, Horsham.

JUNIOR; one who has just finished his apprenticeship preferred; outdoors; very easy hours; no heavy or dirty work; no after-hour or Sunday duties. Enclose photo, with full particulars, to William Sumner, Family Chemist, Achy-de-la-Zouch.

JUNIOR wanted immediately; indoors or outdoors; reliable Dispenser and good Counterman. Apply, with full particulars, salary, etc., to F. Dickenson, Chemist, Stamford.

JUNIOR wanted at once. State age and experience to Hankinson's Cash Pharmacy, Ilford, E.

JUNIOR for Light Country Retail; indoors; short hours. State age, height, experience, reference, and salary required. R. P. Roe, Packer's Row, Chesterfield.

JUNIOR, active and of good address, one who has had 7 or 8 years' good-class experience, including London Suburban, for Family, Retail and Photographic business; no Sunday duty; time for study if required. Apply, with full particulars and salary required (outdoors), to Shillecock & Sons, Chemists, Bromley, Kent.

OUTDOORS.—Unqualified Assistant, about 23, for a good-class business, near Hampstead Garden Suburbs. Apply, by letter, giving full particulars of experience and salary required, to "Q," c/o Maw, Son & Sons, Aldersgate Street, E.C.

QUALIFIED Assistant wanted near Liverpool; outdoors; easy hours; light duties; moderate salary. Please give full particulars and terms to "X." (262/27), Office of this Paper.

QUALIFIED Branch Manager wanted; must have good references. Apply, with full particulars, to Griffiths, Chemist, Droylsden.

REQUIRED immediately, qualified Manager for up-to-date Cash business not far from London, on the Coast; must be smart Counterman and have excellent references; married man preferred. 265/20, Office of this Paper.

SMART Junior wanted at once; quick Dispenser; must have thorough knowledge of Photography. Apply, stating age, height, and salary required, to Findlay, Chemist, Reading.

STEELE & MARSH, Dispensing Chemists, 6 Milsom Street, Bath, require a Junior Assistant, aged about 20; used to good-class business and good Counterman; outdoors; 4 kept. Apply, stating full particulars as to age, height, salary, and experience, to David A. Evans.

UNQUALIFIED Manager for Drug Stores situate in the West Riding; permanency to a suitable man, who must be married. State age and salary required, 265/200, Office of this Paper.

WANTED, an Assistant for a middle-class business; alternate Sunday duty 6 to 10 p.m.; close 1 Thursdays. Apply, with full particulars and salary required, to W. Sharman, Chemist and Dentist, 186 Mare Street, London, N.E.

WANTED, Manager for small Branch, East End; must be steady, well recommended. "Astig" (267/3), Office of this Paper.

WHOLESALE.

CAPE COLONY.—Competent Counterman required, used to both Wet and Dry, age about 23 years; unmarried; wages commencing at 50s. per week; 3 years' agreement; passage paid out. Apply, by letter only, "Counter," 14 Lafone Street, London, S.E.

SOUTH AFRICA.—Warehouseman required for Sundries and Patents; under 30 years of age; unmarried; passage paid out; 5 years' agreement; salary £192, £244, £216. Apply, by letter only, "V," 73 Newlands Park, Sydenham, S.E.

A LARGE Manufacturing firm is open to appoint a Representative who has a connection in the Groceries and Chemist Packed Sundries' goods trade. Apply, by letter, to 267/16, Office of this Paper.

COMPETENT Analyst, about 25, wanted for Assay Department of London Manufacturing Chemists; preference given to someone with previous experience in similar situation and with a knowledge of general Laboratory work. Reply, with full particulars, stating salary required, to 123/23, Office of this Paper.

GENTLEMAN required, with experience in introducing new Preparations; must have knowledge of German. Reply, with full particulars, 125/9, Office of this Paper.

HIGH-CLASS Medicated and Toilet Soaps and Toilet Requisites.—Wanted, by old-established firm of Soap Makers, Agents having a good connection amongst Chemists, Druggists, and Hair-dressers in the Lancashire, Midlands, West and South of England, Scotch and Irish districts. Apply, 265/32, Office of this Paper.

JOHN RICHARDSON & CO., LTD., Leicester, have a vacancy for a thoroughly experienced Despatch Clerk, with a good knowledge of the Drug trade, especially in connection with checking orders for medical men. Apply in own handwriting, giving age, previous positions held, references, and wages asked. Permanency for a suitable man.

MANUFACTURING and Wholesale Perfumers require Traveller to call upon Chemists in Wales and the South-West of England. Reply, with full particulars of experience, etc., to 107/5, Office of this Paper.

REPRESENTATIVE wanted for Scotland by an up-to-date firm of Manufacturing Chemists and Druggists' Sundriesmen. Apply by letter, stating full particulars of age, experience, salary required, etc., to 262/7, Office of this Paper.

TABLET Department.—Experienced man to take charge of Department; must thoroughly understand all branches, Granulating, Sugar-coating, etc. Full particulars to 125/110, Office of this Paper.

WANTED, Representatives, who have connection amongst Chemists to sell Toilet Soaps; commission basis only. State age, qualifications, and district covered, and apply 258/5, Office of this Paper.

WANTED, for South Africa, a smart man to take charge of the Wholesale Town Counter; unmarried; age about 30 years; salary £168 first year, £180 second year, £192 third year; outdoors; passage paid out. Apply, by letter only, "L," 12 Lafone Street, London, S.E.

AUSTRALASIAN NEWS.

"The Chemist and Druggist" is regularly supplied by order to all the members of nine Societies of Chemists in Australia and New Zealand, and to many other Chemists in business there.

New South Wales.

PHARMACY BOARD.—At the meeting on September 10, Mr. Wilfred Barnes, chemist and druggist (G.B., 1908), was registered under the Pharmacy and Poisons Acts.

EARLY-CLOSING BILL.—This Bill is a codifying measure and also introduces new legislation. The closing time for "chemists" and "druggists" shops and public and private dispensaries in the Metropolitan and Newcastle districts shall in every week be 6 P.M. on the first four days of the week, 9 P.M. on Friday, and 1 P.M. on Saturday. In the country shopping districts the hour of closing is to be 7 P.M. on five weekdays and 9 P.M. on Saturday. But where any class of trade is carried on not usual to the particular shop the closing time of such shop shall be the closing time for non-schedule shops. The shopkeeper and the assistant are both to be liable in case of an offence, but half-an-hour's grace is to be allowed for the delivery of goods to a customer who at the closing time was in the shop, being served or waiting to be served, provided also that no registered pharmacist within the meaning of the Pharmacy Act, 1897, shall be guilty of the said offence by reason only that he had after the said closing time supplied any drug or surgical appliance in pursuance of a request in writing made by a legally qualified medical practitioner stating that such drug or appliance is urgently required.

New Zealand.

PYRIDINE HARMFUL.—The Wellington Furniture-workers' Union obtained from the Secretary of Customs a letter saying that the Union should insist that employers should supply for polishing purposes methylated spirits without pyridine. The latter, the Union declare, affects the eyes of the workers. The Hon. W. F. Massey (Minister of Labour) said he thought the deputation had a grievance, and he would see whether it could be put right.

PHARMACY BILL.—The Bill to amend the Pharmacy Act, which was foreshadowed in the speech from the throne, was introduced on September 3. It embodies the requests made by the Pharmacy Board at the deputation which waited on the Government in August (see *C. & D.*, October 12, index folio 569). One clause exempts registered chemists from jury service, and others give power to devote funds to educational purposes and to allow candidates under eighteen to sit for the Preliminary examination.

Queensland.

DRYSDALES, LTD., is the name of a company which has been registered in Brisbane to carry on the business of chemists, etc. The capital is 20,000/., and the first subscribers are eight pharmaceutical chemists, including the President of the Pharmaceutical Society and the Registrar of the Pharmacy Board. Power is taken in the articles of association to carry on insurance business and establish a fund for protecting chemists against claims and prosecutions. This is the outcome of the scheme for a central pharmacy which was referred to in the *C. & D.*, October 12, index folio 569. The maximum number of shares issued to one chemist is 100, and the minimum 20. Mr. R. C. Cowley is provisional secretary.

Tasmania.

CHEMISTS AND DOCTORS.—At the meeting of the Council of the Pharmaceutical Society of Tasmania on September 6, Mr. Gould moved and Mr. James seconded:

"The Pharmaceutical Society of Tasmania, representing pharmacists who stand in some respects between the public and the medical profession,

"(1) Recognises and upholds, on the one side, the right of pharmacists to supply the wants of their customers; and, on the other, their duty to co-operate in creating public opinion in favour of the earliest possible and most thorough treat-

ment of cancer and of preventable and infectious diseases, such as consumption, gonorrhoea, syphilis, and others, and therefore

"(2) Recommends members to take every opportunity of impressing upon their customers the importance of securing early medical advice in all cases;

"(3) But knowing that many sufferers will decline to follow this course until they feel seriously ill, invites the B.M.A. (Tasmanian Branch) and the Chief Officer of Health to suggest a possible procedure in such cases."

This is believed to be the first time that any Pharmaceutical Society has taken a definite attitude indicating readiness to help in any reform as soon as the right course is pointed out.

THE SHOPS CLOSING BILL has been introduced into the Tasmanian House of Assembly. It is not designated an amendment Act, but introduces a complete system of legislation. The points of principal interest to pharmacists are that by Clause 4 a friendly societies' dispensary which supplies upon the prescription of a medical practitioner medicine only to members, alone is exempted from those parts of the Bill relating to shop districts and the determination of the day for half-holiday and closing time, and the provisions for compulsory closing and working hours. Other friendly societies' dispensaries are by Clause 21 included as shops. Clause 21 is as follows:

1. On every Sunday and every compulsory half-holiday every such shop may be reopened at seven o'clock and remain open until eight o'clock, and shall then be closed.

2. Medicines, surgical appliances, and necessary articles required in any emergency may be supplied in a chemist's or druggist's shop after the hours of closing applicable to such shop.

If, in any prosecution against the shopkeeper for a breach of this Act, the question shall arise whether any medicine, surgical appliance, or article proved to have been supplied was so supplied in an emergency, or whether such article was necessary, the Court shall decide the question as one of fact after taking into consideration all the circumstances of the case.

3. A dispensary, not being an exempted dispensary, shall be deemed to be a chemist's shop within the meaning of this Act.

Subject to these modifications, all shops in Tasmania are to close at 6 P.M. on four week-days, 10 P.M. on one week-day, and 1 P.M. on another week-day.

Victoria.

A HERBAL REMEDY.—At Geelong City Court on September 23, John Whitfield was fined 30/., and 10/., 10s. costs under the Health Act for selling as "a herbal remedy not containing minerals or drugs" pills containing sulphur, cream of tartar, guaiacum resin, sugar, starch, and rhubarb. The Government analyst said the formula was that of Chelsea Pensioner mixture, and was about ninety years old. Sulphur is not a herbal but an elementary substance. The defendant traded as the Vis Vita Herbal Co., and sold the pills through the post. A stay of seven days was allowed for the purpose of an appeal.

Western Australia.

PHARMACY BILL.—A Bill to amend the Pharmacy and Poisons Act, 1910 (which was a codifying Act), was introduced in the Legislative Assembly on August 22. Definitions of "medical practitioner" and "private hospitals" are given, and it is to be an offence to dispense medicines for private hospitals unless the dispenser is a pharmaceutical chemist or medical practitioner. A pharmaceutical chemist is to lose his qualification when he ceases to pay his subscription and until he pays the arrears and an additional fee of 1/.. A company cannot carry on the business or use the titles of pharmaceutical chemists unless the company consists wholly of qualified chemists, has carried on a chemist's business as a company before September 1, 1911 (this is limited to the places in which business was carried on on July 1, 1912), or is a friendly society. Unqualified persons may not sell drugs (unless licensed to sell non-poisonous proprietary medicines) under a penalty of 20/. Hypodermic tabloids, "or drugs which are capable of being used on a person hypodermically," may not be sold without a doctor's prescription, which the vendor must retain. This section does not apply to sales by

wholesale dealers in drugs to pharmaceutical chemists. The Poison Schedule is extended by the inclusion in Part I. of *preparations* of aconite and nux vomica, and cantharidic, while *preparations* of prussic acid are omitted and preparations of strychnine removed to Part II. In the last-named Part the substances added are potassium bichromate, chinisol, lysol, *preparations* of mercury, tabloids containing any poison mentioned in Part I., picric acid, phosphorus paste, strong solution of ammonia, and preparations containing strychnine, tartar emetic, corrosive sublimate, and iodine. Soothing powders and syrups are omitted. "The Chemist and Druggist of Australasia" states that if the Bill is carried in its present form it "will nearly fulfil the ideals that have been in the minds of all Australian pharmacists."

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Associations of Chemists in British South Africa, as well as to other chemists in business there.

Cape Province.

AT THE ANNUAL MEETING of the Northern Districts Chemists' Association, held in Kimberley on October 17, Mr. R. H. Pimm was unanimously elected President for the ensuing year, and Mr. M. Thane Vice-President. Mr. E. Thane again undertook the duties of Secretary.

Rhodesia.

MASONIC.—Bro. G. S. Wilkins was installed W.M. of the Selukwe Lodge on Saturday, September 28.

PHARMACY IN NORTHERN RHODESIA is represented by one establishment on the Mainway, Livingstone. The town is about five miles away from the Victoria Falls. A photograph of the pharmacy is reproduced below. The proprietor, Mr. Leopold Frank Moore, chemist and druggist (Gt. Brit.), is a striking personality. Besides running a



pharmacy Mr. Moore finds time to conduct the "Livingstone Mail," of which he is editor and proprietor. This enterprising paper is set up on linotype principle, and printed on a Babcock standard printing machine at the rate of 3,000 sheets per hour. Other outlets for Mr. Moore's energy are printer and stationer, photographer, auctioneer and land agent, and gramophone agent. The two figures in the photograph are Mr. Chas. Weir, of the Transvaal Pharmacy Board, who was on a visit to the Falls, and Mr. E. G. Nichols, S.A. representative of Messrs. Evans Sons Lescher & Webb, Ltd., who was touring Rhodesia.

Transvaal.

BUSINESS CHANGE.—Mr. S. M. Hendry, chemist and druggist, Vereeniging, has lately removed into handsome new premises.

PERSONAL.—Mr. Gerald Heald, manager of Messrs. A. A. Bones & Co., Ltd., Church Street West branch, Pretoria, was married on October 16 to Miss Coetzee, of Pretoria.—Mr. Andries V. Driel, late Mayor of Heidelberg, and brother of Mr. R. H. G. van Driel, chemist and druggist, Volksrust, died suddenly on October 16.

O.F.S. Medical and Pharmacy Council.

The usual monthly meeting was held on September 11 at Bloemfontein. There were present Dr. A. B. Ward (President), Drs. C. H. Bidwell, S. M. De Kock, and V. Manning, Mr. E. Whiteside (Dental member), and Messrs. A. Fowle, W. S. Westlake, and S. S. Hewitt (Pharmaceutical members). A letter from the Royal Danish Consul at Cape Town was read regarding the Pharmaceutiska Laereanstalt diploma (see C. & D., October 12, index folio 570), but it did not settle the question. Dr. Bidwell then moved the adoption of a new regulation for the Chemists' and Druggists' examination, which should empower the Council to allow a candidate who had failed to present himself for an examination for which he had entered to attend at any future ordinary examination on payment of a nominal fee of one guinea, provided his non-attendance was due to ill-health or other reason satisfactory to the Council. Mr. Hewitt seconded. On the regulations as they stood it had been doubtful as to whether the fee paid by a candidate for examination was estreated or not by his non-attendance. Counsel's opinion had been obtained, and it was found that a candidate could demand to be entered free of charge if he had been prevented from undergoing an examination, the fees for which he had already paid; by reason of ill-health; and that the candidate could also demand a special examination at any date upon payment of an additional five guineas. It was felt that such a position would be intolerable. In the event of there being at any time two or more candidates for an ordinary examination, and one of them being suddenly taken ill, he could on recovery, compel the Council to hold a fresh examination. As the ordinary examination would have been held, this could not be considered an adjournment, and the fees would not nearly cover the expenses which would be incurred. Besides being an expense to the Government, it might involve a serious personal tax upon the time of the members of the Council. The regulation was therefore adopted. The rest of the sitting of the Council was devoted to medical matters.

British East Africa.

A CORRESPONDENT at Nairobi writes: "Large consignments of drugs, sundries, etc., are now coming to hand after the many vexatious delays which the various strikes have caused at home. We in British East Africa, so far removed from the source of supplies, have had to be very patient of late, while people all over the country have been crying out for articles which could not be supplied. Goods take a month or more to reach Mombasa from London, and very often another month before they reach Nairobi, a distance of a little over 300 miles from Mombasa, three weeks being about the average. This is on account of the fact that the goods have to be first put on to lighters, which bring them to shore, where they are dumped in a hopeless mess, so that it takes about a week for a clearing agent to find his client's goods; and then the train journey is very slow. Our last two consignments took between three and four weeks to come from the coast, while the rough handling to which cases are submitted from ship to lighter, and lighter to pier, smashes the cases in a disheartening fashion. Now we hear that all goods for the time being have been stopped from going up-country owing to a severe outbreak of plague and smallpox at Mombasa, although merchants think that other arrangements will be made in a day or two to enable them to get their goods through. The M.O.H. at Mombasa has been having a very lively time of late in the stricken area, where the Indians and natives have been refusing to report cases, and the medical officer has now to perform his duties under police escort.—Parke, Davis & Co.'s South African representative (Mr. J. W. Hull) has just returned south after a run through B.E.A. and Uganda, and was very pleased with the prospects of the country and the good business done.—Mr. Lugden (Lever's and Vinolia's representative) is at present in the country hustling on the demands for his firms' goods, which are in almost every store in the country.—Enteric and malaria have been rampant of late in Nairobi, and three of the local chemists have been down with a slight attack of the latter."

PATENT SPECIFICATIONS.

Printed copies of the following specifications are on sale (8d. each) at the Patent Office, 25 Southampton Buildings, London, W.C., a fortnight after the notice of acceptance has appeared in the "Official Journal" (Patents) of the given dates. Persons desirous of opposing the grant of a patent must do so in the prescribed form within two months from the date of the "Journal" in which the notice appeared.

Specifications Accepted.

October 2, 1912.

- OBTAINING NITROGEN FROM PHOSPHATE ORE. 14631/11. Wallace and Wassmer.
 APPLIANCES FOR BABIES' FEEDING-BOTTLES. 19978/11. Leigh.
 SOLUTIONS FOR PREVENTING RUSTING. 20798/11. Rudge-Whitworth, Ltd., and Heatheote.
 BEDS FOR SURGICAL AND LIKE PURPOSES. 21074/11. Chamberlaine.
 MANUFACTURE OF AMMONIA. 21151/11 and 3345/12. Johnson. (Badische Anilin- und Soda-Fabrik.)
 MANUFACTURE OF ZINC-SODIUM HYDROSULPHITE. 21359/11. Johnson. (Chemische Fabrik Griesheim-Elektron.)
 VARNISH WITH BASE OF CELLULOSE ESTERS. 21426/11. Ledue, Heitz & Co.
 RECOVERY OF NITRIC ACID FROM ABSORBENT. 21724/11. Hale.
 PURIFICATION OF NITRO BODIES. 799/12. Silberrad.
 MANUFACTURE OF PURE *m*-CRESOL. 2458/12 and 3923/12. F. Hoffmann-La Roche & Co.
 MANUFACTURE OF HOMOLOGUES OF PINACONE. 3938/12. Newton. (Farbenfabriken vorm. F. Bayer & Co.)
 PHARMACEUTICAL COMPOUND. 4053/12. Newton. (Farbenfabriken vorm. F. Bayer & Co.)
 UNITING GLASS AND METAL. 5106/12. Spichtin and Knoebel.
 RENDERING ANTISEPTIC ARTICLES SUCH AS BLANKETS. 10058/12. Dudfield.
 EXTRACTING NITROGEN FROM THE AIR. 10718/12. Frank and Fincke.
 EXTRACTION OF TARTARIC ACID. 11558/12. Vigneaux.
 TEATS FOR FEEDING-BOTTLES. 17150/12. Wisotzky.

October 9, 1912.

- MANUFACTURE OF HIGHER ALCOHOLS. 15204/11. Fernbach and Strange.
 APPARATUS FOR ABSORBING RADIOACTIVE EMANATIONS. 21462/11. Abel-Musgrave.
 COLLOIDAL METALS AND SALTS. 21521/11. Crookes and Stroud.
 PRODUCTION OF SULPHUR AND ALKALI-CONTAINING COMPOUND. 21988/11. Lewit.
 APPLYING CAPSULES TO BOTTLES. 27289/11. Weissenthanner.
 DERIVATIVES OF BARBITURIC ACID. 252/12 and 15451/12. Farbenfabriken vorm. F. Bayer & Co.
 MANUFACTURE OF RADIUM. 2155/12. Ebler.
 SHAVING-BRUSHES. 3103/12. Edwards.
 ANHYDROUS SODIUM SULPHITE AND BISULPHITE. 4273/12. Strickler.
 MANUFACTURE OF PURE NITRITES FROM NITROUS GASES CONTAINING OXYGEN. 10479/12. Elektrochemische Werke Ges.
 MANUFACTURE OF TAR-OIL VARNISH. 12475/12. Sprenger.
 ORTHO-SUBSTITUTION PRODUCTS OF THE ACETO-ACETIC ANILIDE AND ITS HOMOLOGUES. 16928/12. Farbenfabriken vorm. F. Bayer & Co.

October 16, 1912.

- MATERIAL FOR WASSERMANN REACTION. 21950/11. Weiss and Roborat Co.
 MANUFACTURE OF ARTIFICIAL INDIARUBBER. 27802/11. Reynaud.
 AROMATIC SULPHONIC-ACID PROCESS. 28172/11. Newton. (Farbenfabriken vorm. Friedrich Bayer & Co.)
 SURGICAL SOCKS. 28958/11. Dash.
 PRODUCING LOW TEMPERATURE WITH METHYL FLUORIDE. 717/12. Lachmann.
 TOOTH-STOPPING MATERIALS. 4708/12. Miller.
 SOLIDIFYING OILS. 14656/12. Calvert.
 MANUFACTURE OF LUBRICATING OILS. 15035/12. De Hemp-tinne.
 GUM FROM LOCUST-BEANS. 15783 and 15860/12. Pinel.
 APPARATUS FOR ATOMISING LIQUIDS. 20186/12. Peppen-beim.

October 23, 1912.

- GASOGENES FOR AERATED WATER. 16123/11. Bull.
 MANUFACTURE OF CAOUTCHOUC-LIKE SUBSTANCE. 22454/11. Johnson. (Badische Anilin- und Soda-Fabrik.)
 HOT-WATER BOTTLE. 23371/11. Munro.

STOPPERLESS BOTTLES. 25539/11. Belt.
 TRUSS BACK-SHIELD. 9778/12. Baller.

October 30, 1912.

SYPHON-HEADS. 23192/11. Idris.
 EYEGLASSES AND SPECTACLES. 27087/11. Culver.
 THORIUM PROCESS. 15919/12. Deutsche Gasglühlicht Akt.-Ges. (Auer-Ges.)

Open for Public Inspection.

HYDROGENISING UNSATURATED COMPOUNDS. 18996/12. Skita.
 EXTRACTING GLYCERIN FROM VINASSES. 21060/12. Watrigant Frères et Cie.
 INCREASING YIELD OF AMMONIA FROM GASES OF DRY DISTILLATION. 15977/12. Burkheiser.
 REMOVING SULPHURETTED HYDROGEN FROM GASES. 16172/12. Burkheiser.
 SCENT-BOTTLES. 20188/12. Deitz and Lachtschiver.
 CAMPHORATES OF HEXAMETHYLENETETRAMINE. 21728/12. Farbwerke vorm. Meister, Lucius & Brüning.
 MANUFACTURE OF WHITE ENAMEL. 1136/12. Vereinigte Chemische Fabriken Landau Kreidl, Heller & Co.
 MANUFACTURE OF SOLID BODIES FROM POWDERS. 22041/12. Leisher.
 INTRODUCTION OF ETHEREAL OILS INTO BODIES SOLUBLE IN WATER. 22634/12. Smith.
 AUDIPHONES. 22613/12. Soret.
 PRODUCING RÖNTGEN RAYS IN A CONTINUOUS MANNER. 23169/12. Lilienfeld.
 POTASH-RECOVERY PROCESS. 22557/12. Neil.

TRADE-MARKS.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

The figures in parentheses refer to the classes in which the marks are desired.

(From the "Trade-marks Journal," November 6, 1912.)

- "CRESCO"; for chemicals (1) and for perfumed soap (48). By W. Gossage & Sons, Ltd., Widnes. 345,125, 345,022.
 "SUNSET COLOURING"; for a sheep-dressing (2). By E. Langham, Borough, Downton, Wilts. 345,106.
 "ZIT"; for a nit-destroyer (3). By Dean & Holt, 78 Yorkshire Street, Rochdale. 344,710.
 "THE ABBOT" and picture of same; for goods (3). By Macaulay & Co., 38 Cours Gambetta, Lyon, France. 341,485.
 Picture of head showing respiratory passages, with smoking cigarette, and a similar design with smoking pipe, both with the words "CONTAINS NO TOBACCO"; for all goods (3). By C. Blosser, 46 Walton Street, Atlanta, U.S.A. 345,236/7.
 "ANTINAGAN"; for all goods (3). By E. Teichmann and H. Braun, 33 Steinlestrasse, Frankfurt-on-the-Maine. 345,304.
 "REGESAN MORNING POWDER" ("Morning Powder" or letters "M.P." disclaimed), for health-salt (3); "REGESAN 99" ("99" disclaimed), for medicinal chemicals (3) and for perfumery, etc. (48). By Regesan, Ltd., 7A Laurence Pountney Hill, London, E.C. 345,355, 345,586/7.
 Circular device with letters "S. B." ("S. B." disclaimed); for scrums, vaccines, and tuberculins (11). By R. Sumner & Co., Ltd., 50A Lord Street, Liverpool. 343,945.
 Device composed of letters "R. F." in diamond; for Pom-made Hongroise (48). By N. Steeklyn & Sons, 29-30 Houndsditch, London, E.C. 345,680.
 "RURAL" and "MAVOURNEEN"; for perfumery, etc. (48). By J. Barrington & Sons, Ltd., 202 Great Britain Street, Dublin. 345,867, 345,969.

LANCASTER CHEMISTS' ASSOCIATION.—The annual dinner will be held at the King's Arms Hotel on November 27. Tickets (3s. 6d. each) from the Hon. Secretary.

PHARMACEUTICAL FOOTBALL CLUB.—The annual smoking-concert of the School of Pharmacy Football Club is to be held on November 26 in the Council-chamber of the Holborn Restaurant, London, W.C. Mr. W. F. Gulliver will be in the chair. Tickets (2s. each) may be had from Messrs. L. F. Gore and T. M. Simpson, 17 Bloomsbury Square, London, W.C.

OUR GERMAN LETTER.

(Special Correspondence to the "C. & D.")

Professor Haberlandt accepted the Professorship of Botany at Berlin University in 1910 on condition that a new Botanical Institute should be built for him at Dahlem. This institute will be opened in October of next year. It will be opposite the Botanical Museum and the Pharmaceutical Institute, of which Professor Thoms is principal, and will contain, besides lecture-rooms, extensive microscopical and working rooms for students, rooms for botanical physiological research, chemical, bacteriological, and mycological laboratories, a library, several assembly rooms, work-rooms for the director, tutors, assistants, and guests.

Privileged Pharmacists.—Mention has already been made in these columns of the dissatisfaction experienced among German pharmacists at the granting of concessions to military pharmacists, particularly as of recent years the latter have received a number of good concessions in large towns. The question has been discussed in the Reichstag, where it was pointed out that it is an injustice to the ordinary pharmacists to favour the military applicants for concessions, who, in addition to obtaining a lucrative business, draw a pension from the State. It is now reported that the Government proposes to prohibit military pharmacists from competing for concessions, so that in future no concessions will be granted to them.

The Transportation of Pyridin on the German State railways is at present not subject to any special rebate; that is to say, the article is not included among the coal-tar oils transported according to the rates of the special Tariff III. Large quantities of this substance are used, however, particularly for "denaturing" alcohol, and in view of foreign competition manufacturers expressed the fear that the absence of any special rates for the carriage of pyridin on the railways might prejudice German exports of this article. The railway direction of Berlin, acting upon the representations made by the manufacturers, has investigated the question, with the result that it was found that England is the chief competitor of Germany in the manufacture of pyridin and pyridin-bases, and as England can make use of the cheaper sea route for her exports to Russia and to the Balkan States (the leading purchasers), it is recommended that pyridin should enjoy a rebate on the German railways at least equal to that accorded to wood alcohol.

The War in the Balkans and the general nervousness it has brought in its train have raised the question of the duties of owners of pharmacies in case of mobilisation. When that happens those owners of pharmacies who are either "military pharmacists on leave" (the designation of those who have done half their military service as army apothecaries) or belong to the combatant troops would have to present themselves; consequently a large number of pharmacies would have to be closed, which would prove a grave danger to the population. To avoid this, in case of mobilisation, the assistant pharmacists and those military pharmacists on leave who have left the profession will be first called upon, while those pharmacists who belong to the combatant ranks are listed specially. The war pay for pharmacists called up for duty is fixed at 5*l.* a month, in addition to free quarters and food, while they are entitled to a grant of 5*l.* 5*s.* towards their equipment. Pharmacists not liable to duty as such, but called upon to render professional services, would receive 5*s.* a day.

Cultivation of Drugs in German Colonies.—Dr. Reinert Hiller contributes to the October number of "Der Tropenpflanzer" a short note advocating the cultivation of drugs in German colonies. He suggests that such drugs as rhubarb, digitalis, henbane, hemlock, and belladonna are less valuable medicinally when cultivated than when obtained from wild plants,* but points out that in general the proportion of therapeutically valuable constituents in drugs is increased by rational cultivation. Examples are given of the successful introduction of economic plants into new areas, some of the most noteworthy being cinchona and coffee into Java, and roses, for the preparation of rose oil, into Germany. Selection of suitable climate and soil is important in this work, but so also is proper packing, and a German museum on the same lines as the Pharmaceutical Museum at Berne is advocated, where the packing of drugs can be studied. It is suggested that the German West African colonies, Togoland and Kamerun, are promising fields for the cultivation of strophanthus, gum arabic, gutta-

percha, and opium. The last-mentioned drug is said to be cultivated already in North Kamerun. These areas have cheap labour and land, but need better communications with the coast for their development. Dr. Hiller advocates a thorough study of this question of drug-cultivation by the German technical schools. In connection with this question it may be mentioned that a considerable amount of attention is being given to drug-cultivation in German East Africa. The first consignment of coca-leaves (said to be *Erythroxylon Coca* var. *Novo-granatense*) was shipped to Hamburg from that colony this year, and a first shipment of cinchona-bark is now being prepared there for exportation to Germany.

POISONING FATALITIES.

ELEVEN fatalities, including two misadventures, from the effects of taking poison have been chronicled during the past week.

Carbolic Acid killed Alfred Gregory, shipyard labourer, Middlesbrough; Wm. Henry Greedy (22), Tonypandy; and Mrs. Mary Ellen Evans (40), Gelli.

Laudanum.—At Tunstall, Jane Martin (36) died from the effects of taking a mixture of 3 drachms of laudanum and 1 drachm of paregoric. A verdict of "Death from misadventure" was returned.

Phosphorus.—The death of the three-year-old son of an Altofts miner named Oliver Brough was due to drinking from a tin of beetle-exterminator containing phosphorus.

Potassium Cyanide was the suicidal agent used by Edward Kentleton (62), jeweller, Putney.

Prussic Acid was used as a lethal agent by Arthur Henry Sandle (48), described as a manufacturing chemist, of 17 Golden Ball Street, Norwich, against whom the jury had found a verdict of wilful murder at the inquest on a woman who had died in consequence of an illegal operation.

Salt of Lemon.—Florence Hamer (32), of Clayton, Manchester, poisoned herself with this chemical.

Spirit of Salt was used for purposes of self-destruction by Margaret Hunt (18), of North Kensington.

Vermin-killer.—Nellie Hart (25), of Newark, ended her life by taking vermin-killer. At the inquest Mr. J. H. Smith, Ph.C., Bridge Street, Newark, stated that deceased had come into his pharmacy and asked for a packet of vermin-killer. On being handed some phosphor-paste, she said: "No, I don't want that stuff; I want that in a packet," and described it. Deceased was told she could not have it without a witness. She grumbled and went out, but came again with a woman in about twenty minutes. A threepenny packet of vermin-killer containing strychnine as one of the constituents was then supplied on the legal formalities being complied with. At the conclusion of his evidence, Mr. Smith said: "Might I say a word as to the position of chemists with reference to poisons? We do our best to protect the public against intentional and accidental poisoning. We register poisons, label them, put them in proper containers as the law requires, and often give instructions verbally. All this for perhaps a threepenny transaction. I do not think that there is another class of men on earth that would do as much as the poor chemist does without a fee or even a thank you."

Kind not Stated.—John Congdon, quartermaster-sergeant, York, committed suicide by taking poison.

Leeds Light and Leading.



THESE sketches are slightly reduced from the original in the "Yorkshire Evening Post" of November 7.

* This has not been proved; on the contrary, it has been proved that belladonna and digitalis equal to the wild can be cultivated.—EDITOR, C. & D.

WET Floor.—Assistant required; must be experienced; age 20 to 23; state full particulars; good opportunity for intelligent man. Apply, 125/101, Office of this Paper.

SITUATIONS OPEN

(Colonial, Indian, and Foreign).

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

CAPE COLONY.—Competent Counterman required, used to both Wet and Dry, age about 23 years; unmarried; wages commencing at 50s. per week; 3 years' agreement; passage paid out. Apply, by letter only, "Counter," 14 Lafone Street, London, S.E.

CAPE COLONY.—Junior qualified Assistant required for a Coast town, under 25 years of age; unmarried; salary £15 per month first year, £16 second, £17 third; 3 years' agreement; second-class passage paid out. Apply, by letter only, "L," 14 Lafone Street, London, S.E.

CAPE COLONY.—Qualified Assistant, about 24; abstainer preferred; must have first-class Dispensing experience and a knowledge of Photography would be an advantage; 3 years' agreement to be signed; second-class passage paid out; salary first year £180 per annum, second year £192, third year £204; free quarters provided. Apply, by letter, "C. C." (125/11), Office of this Paper.

MENTONE.—Young and capable Assistant, qualified, speaking French, required for the Season, December to May. Apply, in first instance, to "H. A. G.," Foreign Department, Maw, Sons & Sons, 7-12 Aldersgate Street, London, E.C.

SOUTH AFRICA.—Warehouseman required for Sundries and Patents; under 30 years of age; unmarried; passage paid out; 3 years' agreement; salary £192, £204, £216. Apply, by letter only, "V.," 73 Newlands Park, Sydenham, S.E.

MESSRS. A. S. WATSON & CO., LTD., of Hong Kong and Treaty Ports of China, will have vacancies in the early part of next year for one or two qualified Assistants; they must have had first-class Dispensing experience and not be more than 27 years old, and not married; liberal terms for the right men. Address, "Export," 64 Crutched Friars, E.C.

WANTED for South Africa, a smart man to take charge of the Wholesale Town Counter; unmarried; age about 30 years; salary £168 first year, £180 second year, £192 third year; outdoors; passage paid out. Apply, by letter only, "L," 12 Lafone Street, London, S.E.

YOUNG qualified Chemist wanted for India; must be well educated and with first-class references as to character and ability; knowledge of German desirable; prospect of sound permanency to suitable man. Apply, 250/270, Office of this Paper.

SITUATIONS WANTED.

3s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this office and forwarded to the Advertiser for an Additional charge of 6d.

[HOME.]

RETAIL.

ADVERTISER wishes to fill in spare time after 7 o'clock, 2 Saturdays, Sunday; S.W. district preferred. 266/3, Office of this Paper.

ADVERTISER (22), unqualified, tall, smart, energetic, seeks London berth; exceptionally good Dispensing and Counter experience; excellent references. K. Stott, Cross Gates, Leeds.

ASSISTANT; 19; good Store experience; Photography, Counter. Ellis, 132 Katherine Street, Ashton-under-Lyne.

ASSISTANT, married, requires responsible position, to live on premises; London or seaside preferred; 3 years present berth. den, 40 Woodhurst Road, Acton, W.

ASSISTANT; 22; 5 years' experience; highest references; good Dispenser and Photographer; outdoors preferred. "Shering." Sheringdan House, Foryd, Rhyl.

ASSISTANT; competent; age 29; single; outdoors; abstainer; unqualified; 14 years' good Retail and Dispensing experience; 5 years last berth; Photography; seaside or country; excellent references. "Aurora," 23 Paget Road, Stamford Hill, N.

ASSISTANT (23) desires permanency; outdoors; good all-round experience; smart Window-dresser; excellent references; abstainer. A. Smith, 51 Culloden Street, Poplar, E.

ASSISTANT or Branch Manager; unqualified; good all-round experience. "Immediate," 3½ Saltmill, Saltash, Cornwall.

ASSISTANT; 32; single; very good Dispensing experience; smart salesman and Window-dresser; highest references; commencing salary 32s. (outdoors). "Borax," 9 Brigham Road, Reading.

ASSISTANT or Part-time Loann; competent, reliable; any period; or December help; good references. 265/15, Office of this Paper.

ASSISTANT; 20; 5 ft. 6 in.; accustomed quick middle-class Retail, including Photography, Window-dressing. 266/13, Office of this Paper.

ASSISTANT, Senior or Branch; competent and trustworthy; Prescriber, Dispensing, Photography; married; 35; abstainer; permanency; highest references; good worker. 268/11, Office of this Paper.

BRILLIANT Scotch Pharmacist of exceptional attainments, managing large establishment doing £2,500 p.w., with the assistance of 3 youths (eldest not yet 19), suave, smart and tactful, with thorough knowledge of the trade, including Photography (41), married, numerous family, desires advancement. Fullset references given, also photos, Gray, Pharmacist, 26 Fernville Street, Sunderland, Durham.

BRISTOL or Suburbs.—Assistant; disengaged; 10 years' high-class Dispensing and Photographic experience; will arrange personal interview. "Statim," Colnville, Kensington Hill, Bristol.

DISENGAGED; smart, competent, experienced Prescriber, Dispenser, Salesman; any period. "Energy," 69r Station Road, Camberwell.

DISPENSER, Chemist or Doctor's; part or whole time; experienced (Hall). "Y. Z.," 116 Gaskarth Road, Balham.

DOCTOR highly recommends Dispenser and Bookkeeper; thoroughly reliable; 8 years' experience; disengaged early December. Shortland, 12 Evesham House, Old Ford Road, N.E.

ELDERLY Pharmacist requires post as Dispenser, or light duties; London. "Statim," 416 Mare Street, Hackney.

ENTERPRISING, modern methods; qualified; 28. "Chemist," 10 Richmond Road, Shepherd's Bush, W.

EVENINGS, 6.30; Dispensing, Counter, Stock; excellent references; moderate terms; 29; reliable; unqualified. 267/18, Office of this Paper.

EXPERIENCED, reliable man, first-class Continental experience (fluent French), desires permanency; London or Liverpool preferred; 27; tall; free end of month. 264/33, Office of this Paper.

40/- (outdoors); reliable Assistant seeks permanency; London district; good varied experience; disengaged. 267/20, Office of this Paper.

GERMAN Apothecary and Chemist seeks position in Pharmacy or Chemical Factory; moderate salary. 267/15, Office of this Paper.

IMPROVER seeks situation in Cash business; 3 years' experience; small salary. Atkinson, 12 York Terrace, Whitehy.

IRISH Assistant desires English situation; 4 years' experience; Dispensing, front Counter, Prescribing, Veterinary; well recommended. 261/39, Office of this Paper.

JUNIOR; 20; disengaged; good experience and references; Dispensing essential; South Wales preferred; immediately. Geo. Evans, Plasbach, Llandysul.

JUNIOR (20), 4 years' experience, requires situation in good-class Dispensing business; London preferred; excellent references. R. C. Snell, 119 Vennor Road, Sydenham.

JUNIOR (age 19) desires Midland situation. "H.," 79 Prospect Road, Redditch.

LEEDS or District. — Junior; good Dispensing experience. "Statim," 207 Dewsbury Road, Leeds.

LADY; qualified; disengaged; 7 years' Dispensing, Retail, and Photographic experience. 262/25, Office of this Paper.

LADY, qualified, as Manageress or Assistant; excellent experience and testimonials; London. Apply, 267/17, Office of this Paper.

LOCUM or permanency; all-round experience; age 39. "Chemist," 23 Welleslo Mount, Blackman Lane, Leeds.

LOCUM or Manager; qualified; 47; reliable; excellent references; London and country experience; disengaged; knowledge Photography. T. H. Dewey, Fern Villa, Hulene Avenue, Margate.

LOCUM, permanency; undeniable references; Hospital, Medical. general experience; Prescriber; unqualified. 264/20, Office of this Paper.

LOCUM or temporary Manager; qualified; good Prescriber and Counterman; ready for duty at once. "Prescriber," 61 Sandrock Road, Lewisham, S.E.

LONDON.—Assistant, unqualified (21), desires moderate hours or time for study, in London district; country and suburban experience; good references. Sharnan, Lasham's, Romford.

LONDON.—Evening engagement wanted; Minor; 27; disengaged after 5.30 p.m. daily. 261/38, Office of this Paper.

M.P.S. (26) requires situation as Assistant or Manager; previous experience as Manager; abstainer; good references; quick and reliable Dispenser. 258/8, Office of this Paper.

M.P.S. (36), thoroughly experienced, desires Managership; permanency. "Pharmacist," 5 Regent Street, Oldham.

M.P.S. (29), good Dispenser, accustomed to Management, desires berth in good-class business. 264/3, Office of this Paper.

MANAGER or Senior; 25 years' experience; qualified. Hall, Church Lane, Tealby, Lincoln.

MANAGER; Store and private; all-round experience; good references; reliable, energetic; life abstainer; unqualified; moderate salary. "Druggist," 45 Derwent Road, Strretford, Manchester.

MANAGER or Senior; sound experience; salesman; trustworthy; Extractor. 18 St. James' Road, Stratford.

MANCHESTER District.—Part-time; qualified; disengaged; capable, reliable; abstainer; highest references. "Statium" (262/24), Office of this Paper.

MANCHESTER district, with good prospects; outdoors preferred; qualified; 28; married; abstainer; experienced. 266/8, Office of this Paper.

MINOR Student (22), 6½ years' experience. Dispenser, good references, requires London berth; time off for reading. W. Wray, 49 Corporation Road, Grimsby.

PART-TIME; London, Manchester, or Leeds; outdoors preferred. "Aspirin," c/o Tilley, Chemist, Thetford.

PART-TIME, mornings, London; qualified; experienced Dispenser; very good testimonials and references. Gladden, 82 Agamemnon Road, West Hampstead, N.W.

PART-TIME engagement wanted by Student; Manchester district; good varied experience and references; can take charge; moderate salary. 263/29, Office of this Paper.

PERMANENCY town or Locum town or country; extensive experience; reliable references; tactful salesman; good Prescriber and Dispenser. Forster, 5 Coleridge Road, Finsbury Park, N.

PHARMACEUTICAL Chemist desires position as Manager; with present employers over 12 years; first-class West-End and general experience; disengaged December 4, or possibly earlier by arrangement; high-class Store trade understood perfectly. "F. F. L." Melbourne House, Burton Road, Brondesbury, N.W.

PHARMACEUTICAL Chemist, with knowledge of Optics, requires position in Wholesale or Retail; need to managing. Apply, 267/40, Office of this Paper.

QUALIFIED; disengaged; capable; highest references; Manchester district. "Alpha," 16 Wentworth Place, Bolton.

QUALIFIED, age 27, as Branch Manager or Assistant; disengaged December 1; had good experience in Dispensing, etc. "K.," 2 Horace Road, Southend-on-Sea.

QUALIFIED elderly Manager-Assistant; permanency; single, energetic; Prescriber; disengaged. "Cooper," 4 Woburn Street, W.C.

QUALIFIED; 39; good experience; Extractor, Prescriber; disengaged. "Chemist," 71 Nelson Street, Bridlington.

QUALIFIED (31), with good Retail and Dispensing experience, accustomed to taking sole charge, seeks situation as Branch Manager or Assistant in good business in London or provinces; outdoors preferred. 262/19, Office of this Paper.

QUALIFIED Manager; single; tall and active; good all-round experience; excellent references; permanency desired; Midlands or Yorks; fixed salary, or salary and commission. 262/11, Office of this Paper.

QUALIFIED, experienced Manager; good Dispenser; sound knowledge of West-End trade. "A. J. S.," 28 Silver Crescent, Gunnersbury, W.

QUALIFIED; 26; disengaged; experienced; London or Suburbs; outdoors. Mills, Ashton House, Bath.

QUALIFIED (32) requires morning berth, 9-1. Brearley, 273 High Street, Aeton.

QUALIFIED; any capacity; Locum or permanent; disengaged. "Chemist," 48 Coningham Road, Shepherd's Bush.

QUALIFIED; elderly, active, single; best-class experience; moderate; London. "G.," 167 Cornwall Road, Bayswater, W.

QUALIFIED; 5 ft. 11 in.; Manager or Senior; Photography, Optics; town, country, and West-End experience. Grimshaw, 2 Rydal Villas, Queen's Road, Newbury.

QUALIFIED Manager; 35; 5 ft. 10 in.; 18 years' experience; Photography; married; good references. Parkinson, 280 Franklin Road, King's Norton, Birmingham.

QUALIFIED; Manager, Senior, or other position of trust; age 26; thoroughly experienced; undeniable references; outdoors; London or South Coast. 263/40, Office of this Paper.

QUALIFIED; Dispensing, Photographic; age 26; height 5 ft. 8 in.; abstainer; South Coast or West of England preferred; disengaged about middle of December. 265/33, Office of this Paper.

QUALIFIED, tall (27), of good appearance and address, good all-round experience, Store business preferred, over 7 years in present position, desires change. Apply, 263/39, Office of this Paper.

QUALIFIED; 24; Manager or otherwise; all-round experience; Dispensing, Prescribing, and Photographic; disengaged end of November; London preferred. "Scientific," Graham House, Stone Road, Broadstairs.

QUALIFIED; Manager or Locum; West-End and City experience; good Counterman and Dispenser; best experience and references. "W. S.," 163 Eswyn Road, Tooting, S.W.

QUALIFIED; position of trust; Manager or Senior; West-End Dispensing experience; highest references; disengaged by arrangement. "Iodoquin" (267/9), Office of this Paper.

QUALIFIED; London or South Coast; Manager, Locum, permanency; outdoors; personal interview if required. "Experience" (267/14), Office of this Paper.

QUALIFIED Manager; 32; excellent all-round experience; abstainer; disengaged. "Aspirin," 425 Chorley Old Road, Bolton.

QUALIFIED; Manager, Senior, Locum; up to date; 34; disengaged; 18 years' all-round experience, Dispensing, Photography, Shipping, Surgical Appliances. 2 Corsehill Street, Streatham, S.W.

SENIOR Counterman, Manager, or Locum; undeniably expert Salesman; disengaged; highest references; town or country; excellent Prescriber. George, 288 Elgin Avenue, Maida Vale, W.

SENIOR; extended experience, ordinary, Hospital, Company; total. "M.P.S.," 109 Knox Road, Portsmouth.

TEMPORARY; thoroughly experienced; smart. Gibson, 115 Scott Ellis Gardens, St. John's Wood.

UNQUALIFIED Assistant (24), first-class Dispensing, Counter, and Photographic experience, thoroughly capable, requires berth good-class business. Evans, Islwyn, Albert Street, Llanelly.

UNQUALIFIED; 15 years' good all-round experience; disengaged. Owen, Oakmoor, Colwyn Bay.

UNQUALIFIED Manager; permanency desired; small Branch; good Prescriber, Window-dresser, Salesman; London and country experience; age 42; single; abstainer; disengaged December 9; salary reasonable. Hodge, 40 Sharsted Street, Kennington, London, S.E.

UNQUALIFIED; 32; tall; Branch Manager or Doctor's Dispenser, or position in Wholesale Warehouse; first-class experience, Dispensing and Prescribing; abstainer; highest references; disengaged. "W.," 59 Cobden Street, Blackley, Manchester.

UNQUALIFIED; Assistant or Branch Manager; middle-aged; married; good Prescriber; Wholesale, Retail, and Hospital experience. E. Hanson, Gomersal Drug Stores, near Leeds.

UNQUALIFIED Assistant; 12 years' experience; 5 years in last place; splendid references. Apply, 262/31, Office of this Paper.

UNQUALIFIED; Assistant or Branch Manager; good general experience; disengaged November 16. "A. W.," 105 Wrottesley Road, Harlesden.

UNQUALIFIED, 4 years' experience, speaking French and Italian fluently, now disengaged; good reference; moderate salary. "D. O. M.," c/o Mr. Hogg, Chemist, Bideford, Devon.

UNQUALIFIED; Assistant or Manager; London preferred; age 32; outdoors. 264/40, Office of this Paper.

UNQUALIFIED, competent all-round Assistant seeks post; abstainer; excellent references; Photography, Dispensing; N. Wales or adjoining counties. "Conium" (265/27), Office of this Paper.

UNQUALIFIED; disengaged; 25; tall; highest references; good Dispenser and Salesman; capable of management; book-keeping; indoors or out. 265/7, Office of this Paper.

UNQUALIFIED; Senior or Management; thoroughly competent and reliable; excellent experience; unmarried; salary moderate; outdoors; references. "Active" (263/27), Office of this Paper.

UNREGISTERED; disengaged; good all-round experience and references; married. Bedding, 43 Union Road, Borough, London, S.E.

WANTED, situation as Bookkeeper and Dispenser to Doctor or firm; 15 years' experience, private and institution; Hall qualification; Pharm. Prelim.; town or country; highest references. 263/11, Office of this Paper.

WANTED, situation by young lady in good-class Dispensing business; 7 years' experience in Mixed country business; excellent testimonials. Fallowfield, Park Avenue, Windermere.

HOUSEKEEPER; Chemist's widow; middle-aged; very domesticated, economical, cheerful, and musical; now disengaged. "M. T.," 99 Crouch Hill, N.

WHOLESALE.

Trade circulars, samples, and printed matter can in no case be forwarded.

CAPABLE Analytical and Manufacturing Chemist, with 13 years' experience in leading Wholesale Drug houses, requires position of trust; at present Chief Analyst and Laboratory Manager to large London firm of Wholesale Chemists; good organiser and efficient controller of labour; excellent references. 267/10, Office of this Paper.

FOREMAN desires change; capable of initiating new lines; energetic and thoroughly aggressive business methods; able to take charge; London preferred. "Rapidity" (267/32), Office of this Paper.

INVOICE Clerk, 10 years' experience of home and Export trade, and knowledge of Costing, desires change similar capacity; or Part-time travelling. 266/5, Office of this Paper.

ONE extra Commission required by Traveller; Southern Counties and South Wales; Essential Oils, Perfumery, Soaps, Medicated Lozenges, or Sundries; old-established connection. 264/18, Office of this Paper.

PACKER, Warehouseman; used to machinery; 9 years' experience; age 23; strong and healthy; distance no object. 17 Herbert Road, Bowes Park.

POSITION of trust; Stockkeeping, etc.; 14 years in all departments; also foreign goods. 265/18, Office of this Paper.

REPRESENTATIVE desires additional Agency; high-class Medical or Chemist's Specialities; commission and part expenses; successful interviewer; references. "Menthol" (265/30), Office of this Paper.

REPRESENTATIVE, smart (32), now working Scotland and North of England, desires change of firm; open to Represent Specialities or any good lines; thoroughly experienced; highest references. "Newcastle" (264/23), Office of this Paper.

TOWN Traveller, Manager, Buyer, or Agent; varied and exceptional experience in all branches of Retail and Wholesale, also as Traveller; excellent references. "Hill" (262/3), Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies; or elsewhere abroad.

A BROAD.—Assistant (23), 5 ft. 9 in., unqualified, abstainer, requires position in good-class Dispensing business; 7 years' wide experience; excellent references. "System" (261/26), Office of this Paper.

C ONTINENTAL.—Qualified Englishman desires Season engagement or permanency. J. P. de Buriatte, 67 Rue du Caire, Ostend, Belgium.

F RENCHMAN, Manager, first-class experience in Dispensing, French and English work, window-dresser, disengaged December 15, wants Season engagement or permanency. 259/38, Office of this Paper.

Q UALIFIED Chemist and Analyst, 20 years' experience in the Colonies, Retail, Wholesale, Manufacturing, and Analytical, desires position as Representative of an English Wholesale or Manufacturing firm, preferably in South Africa or Australia; highest references as to character and ability. Address "Analyst" (258/37), Office of this Paper.

MISCELLANEOUS.

M OADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—155 Allenbury "B" 6 per cent. Preference, 23s. 4½d.; 50 Bengers Ordinary, 39s. 6d.; 50 Brunner Mond, 102s. 6d.; 3 Camwal £50 4½ per cent. Debentures, £36 15s. each; 100 Idris "A" 6 per cent. Preference, 4s. 2d.; 200 International Sponge, 13s. 9d.; 100 Sandow's Cocoa Preference, 13s. 3d.; 300 United Indigo Ordinary, 2s. 9d.; 50 Reckitt's, 109s.; 175 Wright, Layman & Umney Preference, 21s.; 150 A. J. White Ordinary, 1s. 11d.

WANTED (subject).—Allenbury "A" Preference; Meggeson Ordinary and Preference; Wright Layman Preference.

List of Shares for Sale and Wanted sent free on application. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London and County and Westminster.

U NIQUE BARGAINS IN SECOND-HAND FITTINGS.—12-ft.

Mahogany and Plate-glass Counter, £8 17s. 6d.; 6-ft. Bent-plato Counter-case, with Serving and Display Shelves, 90s.; Perfume Case and Desk, Mahogany and Plate Glass, 55s.; 6-ft. very handsome Screen and Counter, £13 10s.; 10-ft. Mahogany Wall-case, fine design, £14 10s.; 5-ft. Bent Counter-case, with Display and Serving Shelves, 62s. 6d. JOSEPHS, 93 Old Street, London, E.C.

S ECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.C.

CHEMISTS' SHOPFITTINGS (second hand).—Ranges Mahogany

Drawers, Bevelled Edged, Glass Labels, Cut-glass Knobs, Shelving, Lockers; Mahogany Dispensing-screens; Glass-fronted Counters; Piano-fronted Wall-case, Mirror Centre; Bent Front Counter-cases; Desks; complete Shop-rounds, Window Backs, Glass Shelves, etc.; extensive stock; give-away prices; high-class Fittings, bang up to date; Estimates. D. MATTHEWS & SON, 14 & 16 Manchester Street, Liverpool.

CHEMISTS' Shopfittings.—Window Enclosures, Showcases, Silent Salesman, Dispensing Screens, Wall-cases, Perfume-cases, Glass-front Serving Counters, Drug Drawers, Counter Drawers, second-hand, shop soiled, at unbeaten prices; you can't do better; 30 years fitting Pharmacies. Send for free estimate, George Cook, The Working Shopfitter, 30 Buttesland Street, East Road (near Old Street Tube Station).

CHEMISTS' FITTINGS (bargains).—16-ft. Drugfitting, mirror Poison Cupboards, Cornice complete, £14 10s.; Mahogany Plate-glass Wall-case, 10 ft., £13 10s.; Mahogany Plate-glass 7-ft. Dispensing-screen, bevelled mirror centre, £5; Serving Counter, 12 ft., Glass Doors, Mahogany Top, £7 10s.; Nests of strong Counter Drawers, from 27s. 6d.; Mahogany and bent Plate-glass Counter-cases, 4 ft. 75s., 5 ft. 87s. 6d., 6 ft. 97s. 6d.; all goods as new. Send for sketches to H. Mills, Chemists' up-to-date Shopfitter, Shop Front Builder, Steam Works, 163-5 Old Street, E.C.

M^CQUEEN'S System of Accounts for Chemists; works out gross and net profits, balance sheet, and income-tax return with guaranteed certainty; a work well known and considered indispensable by progressive Chemists (Tenth and improved Edition). Full particulars and testimonials, post free, McQueen & Co., Moat Road, E. Leicester.

SHOWCARDS THAT WILL SELL THE GOODS.

Do you wish to increase sales of your own proprietaries? We are doing this for hundreds of successful business men to-day, by providing Artistic Selling Showcards, Posters, and Window Tickets at prices consistent with first-class workmanship. We have an experienced chemist's advertising expert at your service, prepared to produce **sales creating copy** without extra charge.

SEND A LABEL OR PARTICULARS TO-DAY.

SPARVELL & SON, Window Ticket and Showcard Writers,
43 DORSET STREET, BAKER STREET, W.

MATERIAL for Surgical Bandages and Process of Manufacturing the same.—The Proprietor of Patent No. 5304 of 1904, relating to Improvements in Material for Surgical Bandages and Process of Manufacturing the same, desires to enter into negotiations with one or more firms in Great Britain for the grant of Licences to Manufacture under Royalty. Inquiries to be addressed to Messrs. Carpmael & Co., 24 Southampton Buildings, London, W.C.

THE Proprietors of the following Patent, videlicet No. 29491 of 1909, for "Improvements in the Manufacture of Anhydrous Caustic Soda," are desirous of disposing of the Patent Rights or of negotiating for the grant of Licences to work thereunder. All inquiries to be addressed to Johnsons & Willcox, Chartered Patent Agents, 47 Lincoln's Inn Fields, London, W.C.

TO CHEMISTS AND DRUGGISTS. — Real Bargains.—1 12-ft. second-hand Drug Fixture, including Mahogany Drawers with Glass Labels, Lockers, Shelving and Cornice, £9 10s.; 1 16-ft. ditto, £11 10s.; 1 4-ft. Nest of Counter Drawers, 20s.; 1 7 ft. 6 in. Counter with 5 Drawers, 40s.; 1 handsome Dispensing-screen; 1 Silent Salesman, 2 ft. by 3 ft. by 1 ft. 6 in.; Glass Shelves and 4 Glass sides, £3 15s.; 144 Gold-labelled Shop-rounds, £5 14s.; 12 2-lb. Pink ditto, Dome covers, 28s. **R. TOMLINSON & SONS, Headquarters for Complete Chemists' Shopfittings, Bond Street, Constitution Hill, Birmingham.**

Dose Tables for Students of Pharmacy.

A TWENTY-FOUR page booklet showing the adult doses in ordinary cases of the principal medicinal agents, with metric equivalents for dispensing and a complete table of atomic weights, comprising the B.P. figures, and the International Committee's latest pronouncements (O=16 and H=1). The booklet measures 4 in. by 2½ in., and can be carried in the vest pocket. To be obtained from **THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.,** for **THREE PENNY STAMPS PER COPY.**

POISONS SCHEDULE, reprinted from **THE CHEMIST AND DRUGGIST**, with a supplementary list of admixtures, preparations, and other articles brought within the Schedule. On a card (Schedule in front, list at the back) to hang up; price 4d., post free, from **THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.**

SHOPS ACT, 1912.

Shop Inspectors are looking sharply at Chemists' shops. Medicines and Medical and Surgical Appliances may be sold during closed hours if the statutory notice is exhibited. Two cards are necessary, and will be sent post free on receipt of eight penny stamps. The Publisher, **THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.**

THE CHEMISTS' FRIENDLY SOCIETY.

Members who have sent their first quarter's stamped cards to the Post Office in mistake are requested to apply to me for Form No. 306, A.G.D.; and members whose employers guarantee full wages under Section 47 of the Act are requested to apply to me for Form No. 159.

Insurance books will be returned during this month.

WILLIAM McCULLUM, Manager, C.F.S., 194 St. Vincent St., Glasgow.

**"£15
Increase
Xmas
Week**

over the previous year, same week," writes a Yorkshire client of six years' standing, who wrote for advice the other day, about repeating that scheme. Testimonials of this kind every week. Increase your business my way—it pays every time. Outlay small, results great. Booklet free.

BERNARD SLACK, 9 King Street, WOLVERHAMPTON.

MY PROGRAMME FOR 1912-1913.

Special Xmas Perfume Scheme, followed in January with a new scheme to increase the sale of Winter Specialities. Horticultural Specialities (improved and up-to-date ideas for the same). These have been tested in some of the largest grounds around Sheffield during the year. New Disinfectant, and new Spring Cleaning Specialities. These, with my new idea in advertising, cannot be excelled. Booklet post free. Pharmacists only. **BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.**

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

P.O. 5s. 6d. buys 1907 B.P.C.; unused new copy. "P." 65 Harwood Street, N.W.

WHAT offers?—"The Modern Physician" (Caxton Publishing Co.), or Virtue's "Household Physician," cost 37s. 6d. each set (5 vols.), unsoiled. **ARTHUR BURNETT, Tiverton, Devon.**

DRUGS AND CHEMICALS.

SCHACHT'S pepsina liquida, 1 lb. original 5s., ½ lb. 2s. 9d., post free; also cum bismutho, etc., same prices. "CHEMIST," 29 Sussex Place, S.W.

OVERSTOCKED.—3 cwt. hypo pica crystal, 21s., or single cwt. at 7s. 6d.; 4 1-oz. boxes trional, 5s.; 4 oz. best saffron, 12s.; 1 cwt. sulphite soda, 11s. 6d.; 1 lb. phenacetin, 5s.; 1 lb. acid salicylic, 1s. 4d.; 1 lb. hydroquinone, 2s. 4d.; ½ oz. genuine otto rose, 20s., free d/d London or rail. "L. B.," 244 Evelyn Street, Deptford, S.E.

PROPRIETARY ARTICLES.

FIVE gross "Sunshine Girl" shampoo, 2d. packets, overstocked; offered at 7s. gross; sample 3d. 5 Bute Street, Cardiff.

TAKEN for debt, 70 doz. 1s. boxes Alexander's corn shields; sell, exchange; offers. "L." 5 Northlands Street, Camberwell.

TWELVE 2s. 6d., 11 2s. cattle oils; 12 2s. red drink, made by North Lincolnshire Drug Co., Grimsby; exchange for 1 doz. Beecham's. **DAVIES, Chemist, Enfield Wash.**

SHOP FITTINGS.

BENJAMIN (Glasgow) quite new sponge-case; £3 carriage paid. **ROBERTSON, Chemist, St. Eswells.**

GOOD quality 36-oz. 6s. doz., 20-oz., 12-oz., 8-oz. 4s. doz. W. M. & N. M. stoppered bottles, for cash. **LIST, WYLD, 2 Chester Road, Macclesfield, Cheshire.**

SET of about 100 drawers, 12 ft. long, mahogany fronts, glass knobs, hand-written labels; 3 2-gall. pear carbos, with mahogany stands; tincture press; drug mill. **HALLAWELL & Co., 11 John Street, Crutched Friars, E.C.**

GOOD counter, 13 ft. long, with 5 glass cases in front with dust-proof doors; excellent wall-case, 6 ft. long, 9 ft. high, with 3 glass doors at top and 3 at bottom, all practically new and only in use a few months; also a new Avery counter scales and weights up to 2 lb.; what offers? **BLAMEY, Pharmacist, Falmouth.**

MISCELLANEOUS.

TWO white rubber urinals, male and female, new; half cost, 7s. 6d. each; approval, reference wanted, or cash. **P. ELY, 83 High Street, Eltham, Kent.**

WANTED.

ANALYTICAL balance, with weights. State price and if in good condition, 261/4, Office of this Paper.

CACHET machine, good make; also water-bath, about 5 pints. **Flood, Chemist, Brighton.**

COMPLETE modern fittings, shop-rounds, cash register, Particulars and price, "Fittings" (263/18), Office of this Paper.

WANTED to purchase for cash, job or big value line, suitable for Chemists' trade. Particulars and sample to **MASTERS, 24 Enfield Street, Middlesbrough.**

SECOND-HAND 9-ft. wall-case, as Sanger's fig. 26, or similar; also upright case, 4 ft. 6 in. high, 24 in. wide. **SLATER, Chemist, Epping.**

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. **GOWER, Bookseller, Waterloo, Liverpool.**

ADVERTISER, who is fitting up a business, will be glad to purchase at lowest cash price, good counter having glass cases in front, and dispensing screen. 255/C2, Office of this Paper.

CHEMISTS' TICKETS!

F. MERTEN & CO. Advise all Chemists (before placing their orders) to write for Samples of their —

MOST SELECT, EFFECTIVE, & CHEAPEST WINDOW TICKETS OBTAINABLE; also a Specialty of theirs is the production of Display Figure-Sketch Cards, portraying various ailments, etc.

Write at once—**72 MARLBOROUGH RD., UPPER HOLLOWAY, LONDON, N.,** to obtain satisfaction.

The Shops Act, 1912.

The following are brief particulars of recent local arrangements:

Approved Orders.—The orders approved by the Home Secretary, or Secretary for Scotland, which are now lying upon the table of the Houses of Parliament for the statutory period of forty days, include, in addition to those mentioned in our issue of October 19, the following:

Orders under Section 4—Beverley, Liverpool, Bristol. Orders under Section 5—Eastbourne, Halifax, Sheffield (also under 1901 Act).

Orders under Sections 4 and 5.—Bournemouth, Calne, Lisle, Luton, Duns, Ellon, Helensburg, Paisley.

Simultaneously closing orders made under the 1904 Act have been placed on the table relating to Carnarvon, Dundee, Grimsby, Ipswich, Llanelly, Mossley, Stoke-on-Trent, and Sunderland. The Dundee order is the one concerning "Early closing of the shops of pharmacists and chemists and druggists." In the other cases there is nothing to indicate to what extent, if any, these orders refer to shops of those who retail medicines and medical and surgical appliances.

Cardiff.—The City Council on November 7 issued a draft closing order for chemists, etc., at the following hours: Central Ward, Mondays and Tuesdays, 7.30 P.M.; Wednesdays, 1 P.M.; Thursdays and Fridays, 8 P.M.; Saturdays, 10 P.M. All other wards, except the South Ward, Mondays, Tuesdays, and Thursdays, 8 P.M.; Wednesdays, 1 P.M.; Fridays, 9 P.M.; Saturdays, 11 P.M. The Hon. Secretary of the local Pharmaceutical Association wrote recently to the Health Committee protesting against the delay regarding the closing order. The Town Clerk, in his reply, said that the order is being obtained with all the speed which the legal formalities will permit.

Edinburgh.—The Town Council have been recommended by the Lord Provost's Committee to grant an order bringing chemists under the Act, so far as the half-holiday is concerned, and fixing Wednesday, with the option of Saturday, as the suitable day. Out of 143 shops, 116 voted in favour of the closing order, and 21 against.

London.—The County Council is anxious to receive the observations of the trade organisations regarding the division of London (exclusive of the City) in suitable areas under the Act. The Council suggests that it would be of advantage if any such suggestions took the form of answers to the following questions:

(1) Is it desirable that the County of London (exclusive of the City of London) should be divided into areas for the purposes of applications to the Council for orders under the Shops Act?

(2) If the answer to the above question is in the affirmative:

(a) Is it desirable that the areas should be two in number only—viz., (i) North of the Thames, and (ii) South of the Thames?

(b) Is it desirable that there should be, in addition to two separate areas north and south of the Thames, a separate central area on the north side of the river, and, if so, what well-defined boundaries are suggested?

(c) Are there any alternative suggestions? If so they should be specified.

Suggestions should be sent to the Clerk of the London County Council, County Hall, Spring Gardens, S.W., before November 20.

Manchester.—Mr. J. Cleworth writes that he understands at the Corporation's Sanitary Committee is considering the question of proceeding with the canvass of chemists.

Southend-on-Sea.—A draft order for chemists, etc., was issued on November 5, with the following hours of closing specified: Mondays, Tuesdays, and Thursdays, 8.30 P.M.; Wednesdays, 1 P.M.; Fridays, 9 P.M.; and Saturdays, 11 P.M.; with total exemption from June 15 to September 30, inclusive.

West Ham.—The following are the terms of the West Ham Chemists' and Druggists' Half-holiday Order made by the Borough Council and submitted to the Home Secretary for approval: (1) This order may be cited as the West Ham Chemists' and Druggists' Half-holiday Order, 1912. (2) The provisions of Section 4 of the Act are hereby extended to the sale by retail of drugs. (3) All shops in which the retail trade or business of a chemist and druggist is carried on shall be closed for the weekly half-holiday at 1 P.M. on Thursdays throughout the year.—Provided that any shopkeeper may substitute Saturdays for Thursdays on affixing notice to that effect in his shop.

ALL THE SYNONYMS that chemists want to know are in "The Chemists' Dictionary" of them, published by the & D., 42 Cannon Street, London, E.C., at 2s. 6d., post 2s. 9d.

COLLEGE NOTES.

MR. G. S. V. WILLS informs us that the fortieth anniversary of his postal system of instruction is to be commemorated on November 23 by a dinner, at which he hopes many past students will be present.

LIVERPOOL SCHOOL OF PHARMACY.—The students of this school visited the works and warehouses of Messrs. Evans Sons Lescher & Webb, Ltd., Hanover Street, Liverpool, on November 6. After visiting the sale-room, they were conducted in two parties through the Fleet Street laboratories. The preparation of many galenicals was seen in progress, as well as tablet, pill, and capsule making. The huge essential-oil stills aroused the admiration of the students, as did also the large mixers of malt and oil and for hydrating half a ton of lanoline at a time. The various operations in progress in the analytical laboratory were also explained. The company afterwards enjoyed an excellent meal at the Yamen Café, Bold Street, at the conclusion of which the Principal, Mr. H. Humphreys Jones, thanked the firm for their kindness and hospitality.

"THE SQUARE CHRONICLE" is the title of the official organ of the School of Pharmacy Past Students' Association, No. 1 of which was published last week. It is edited by Mr. W. H. Allen, 20 High Road, Kilburn, N.W., and is a crisply written twenty-page octavo, free from the vulgarity which occasionally characterises school magazines. Mr. W. Gowen Cross of Shrewsbury tells of his sessions at school over forty years ago. All the school notes are written by Mr. W. R. Pratt. Mr. Harry Martin's "Secretary's Page" is informative. Miss M. I. Bedell deals with hospital life, and Mr. Bernard Collett, who was Bell Scholar in 1902-3, and has now charge of the laboratory of Messrs. Ruston, Proctor & Co., engineers, Lincoln, after experience in Canada, writes about Montreal. There is plenty of "poetry" in the "Chronicle," and it starts well, for it gives old boys just the sort of information that will help to keep them young and in touch with their *alma mater*.

INTER-PHARMACY LEAGUE.—*London v. Square.*—On November 9 the "Cyanides" met the "Square" at Boston Park in the first league match of the season. From the first it was seen that the opposing teams were fairly evenly matched; but after about twenty minutes' play, in which the "Square" forwards showed splendid combination, they scored the first goal. During the remainder of the first half the "Cyanides" tried hard to equalise, but though they made several fine shots for goal they were not able to score. At half-time the score was therefore 1-0 for the "Square." Shortly after the re-start the "Square" again scored from a corner after a desperate struggle round the "Cyanides" goal. After this the "Cyanides" played up splendidly, and pressed the "Square" hard right to the end, but were only able to beat the "Square" goal on one occasion. The last ten minutes were especially exciting, the "Cyanides" having the best of the game, without, however, being fortunate enough to score the equaliser. The game thus terminated in a win for the "Square" 2-1.

A JAPANESE joint-stock company has been formed at Nebeche, Kanda, Tokyo, with a capital of 10,000,000 (100,000 yen), for the purpose of wholesale dealing in drugs and the manufacture of galenicals, remedies, and toilet-preparations.

DISPENSERS' ASSOCIATION.—Mr. A. Rothwell, 45 Pottinger Street, Ashton-under-Lyne, has issued a circular regarding the proposed Association of Dispensers of Great Britain and Ireland, in which the objects are set forth as follows: (1) To further the interests of all dispensers, and keep a register of all persons qualified to dispense medicines under the Insurance Act, 1911; (2) that all members notify Secretary if they know of any chemists that are on the panel for the supply of medicine who are not carrying out the spirit of the Act, with a view to having same removed from the panel; (3) that all members do their best to induce all chemists and institutions to engage our members as dispensers under the Insurance Act; (4) that we fix a minimum wage, if possible; (5) that we accept all dispensers, both male and female, as members; (6) that we grant certificates to all members, but that we grant a special one to all members qualified to dispense medicine under Section 15 b (3) of the National Insurance Act, on production of certificate from medical man or institution, stating they have dispensed medicine for three years prior to December 1911; (7) that the fee for membership be 10s. 6d. per annum, to include cost of registration and certificate; (8) that we employ a solicitor to look after our interests.

Another word with you!

When we think of the repeat orders we are receiving for the "Tosa" sure-cure Chilblain Remedy, consequent on our Bonus Offer when 1st dozen is ordered, we are bound to say you are missing a good thing if you don't approach us! Think of it, 10/6 PROFIT on 9/- outlay! It's not too late if you write NOW!
Christy's, Old Swan Lane, E.C.

We are obliged

What is your Address?
We want to send you (FREE) a $\frac{1}{4}$ lb. of

Py-shan Points

(The Non-tannic Tea).

It only needs for you to send us a card. Then, when posting, we will give particulars of an unique scheme by which you will be able to build a really BIG REGULAR SALE for this much-recommended line, and other goods common to your business.

SEIZE THE OPPORTUNITY NOW,
for remember "He that will not
when he might, shall not when he
would."

Address your Card TEA DEPT.

Thos. CHRISTY & CO., 4-12 Old Swan Lane, E.C.



We call attention to the fact that
next week we shall issue a new
: : and revised edition of our : :

Druggists' Sundries List

Our List will be found one of the most complete in the trade and easy of reference. As we hold a complete stock of all articles quoted, it is apparent that carriage being paid with other goods when total order is £5 in value, dead and soiled stock is avoided.

EVANS SONS LESCHER & WEBB, Ltd.
LIVERPOOL and LONDON.

ESTAB. 1750.

London Depot { 2 Bath Street,
City Road, E.C.*Wholesale Druggists,***WYLEYS LIMITED**AGENTS—Western Australia:
Neale, Constable & Co., Perth.
Victoria and Tasmania:
Rocke, Tompsitt & Co., Melbourne.*Manufacturing Chemists.*PHARMACEUTICAL PREPARATIONS.
PHARMACEUTICAL SPECIALITIES.
PEARL AND GELATINE-COATED PILLS.
EFFERVESCENT PREPARATIONS.
COMPRESSED TROPELS, BI-TROPELS.
STANDARDISED TINCTURES.CONCENTRATED TINCTURES.
GLYCERINE TINCTURES.
CONCENTRATED INFUSIONS.
CONCENTRATED DECOCTIONS.
DURAPLASTIC HORSE BALLS.
VETERINARY SPECIALITIES.

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C O C O A**"HIGHEST GRADE
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50 YEARS' REPUTATION.

FENNINGS' CHILDREN'S POWDERS.

ADVERTISED EVERYWHERE.

READY SALES.

A supply of Fennings' "EVERY MOTHER'S BOOK" or Counter Bills (both with Agent's Name and Address,
or Showcards, sent carriage free on application to**ALFRED FENNINGS, COWES.****GOODALL
BACKHOUSE
& Co****MANUFACTURING CHEMISTS**WHOLESALE DRUGGISTS, DRUG & SPICE GRINDERS,
PATENT MEDICINE DEALERS, DRUGGISTS' SUNDRIES,
AND TIN CANISTER MAKERS.**GOODALL'S HOUSEHOLD SPECIALITIES.**PRICE LISTS OF DRUGS, PATENT MEDICINES AND PACKED GOODS ON APPLICATION.
NET CASH PRICES QUOTED FOR WHOLESALE.7 & 15 WHITEHORSE ST. (and Sovereign St., also Victoria Rd.), LEEDS,
And 54 SOUTHWARK STREET, LONDON.**YORKSHIRE RELISH.**



